The Mobile Elevated Work Platforms

E-FACTOR

The unique solution partner for MEWP

We design and manufacture
drive and motion solutions
for Mobile Elevated Work Platforms

The unique solution partner for MEWP

- The best solutions
- Excellent, reliable solutions
- Extended multi-technology solutions portfolio
- Best engineering capabilities
- A reliable partner close to the customer

The unique solution partner for MEWP

We design and manufactur **a complete range** of **best-in-class drive** and **motion products** for Mobile Elevated Work Platforms (MEWPs). Expertise, global reach, and systems know-how will support the manufacture's needs **world wide** with dedicated and **customized solutions**.

The best solutions

- Excellent, reliable solutions
- Extended multi-technology solutions portfolio
- Best engineering capabilities
- A reliable partner close to the customer

The unique solution partner for MEWP

Thanks to **excellent quality products** manufactured with high standards, we offer **highly engineered solutions** which are tailored, flexible, and reliable to cover all types, sizes, technologies of **articulated, telescopic booms** and **scissor lifts, conventional** and **electrified.**

- The best solutions

Excellent, reliable solutions

- Extended multi-technology solutions portfolio
- Best engineering capabilities
- A reliable partner close to the customer

The unique solution partner for MEWP

We are the **unique provider** which can supply a complete **broader class solutions portfolio** for MEWP, featuring **Spicer Torque-Hub™** combined with electric or hydraulic motor, **Brevini™ electronic sensors**, **slew drives**, guaranteeing **best-in-class performances.**

- The best solutions
- Excellent, reliable solutions

Extended multi-technology solutions portfolio

- Best engineering capabilities
- A reliable partner close to the customer

The unique solution partner for MEWP

Our **engineering** capabilities as the global technology leader in efficient power conveyance allows us to **customize the right solution** for MEWP, ensuring the maximum operational excellence.Thanks to its robust **certification process** while **developing products**, we can manufacture **different solutions, perform internal tests**, and **support first installation up to field validation of the product**. We have built its own experience on electrified solutions starting from vehicle transformation from conventional to electric version.

- The best solutions
- Excellent, reliable solutions
- Extended multi-technology solutions portfolio

Best engineering capabilities

- A reliable partner close to the customer

More than 30
drive and motion products
MEWP Demonstrator

The unique solution partner for MEWP

As a single source **reliable partner**, we can **help optimize supply chains** to **serve the overall performance needs** of the customer. Our worldwide **capability** is able to guarantee the customer **localized** region-specific support for **all development phases anywhere in the world** from initial design engineering, localized manufacturing and assembly, all the way through to after-sale support.

- The best solutions
- Excellent, reliable solutions
- Extended multi-technology solutions portfolio
- Best engineering capabilities

A reliable partner close to the customer

Leading
the driveline and propulsion evolution

We are able to partner with and support as a leading drivetrain and e-Propulsion technologies provider. To enable our customers to achieve their sustainability objectives, we have taken a leading position in MEWP electrification providing solutions at the highest level, as **Spicer Torque-Hub™** combined with **electric motor**, **e-Propulsion systems** and **electronic sensors**.

More than 30
drive and motion products
MEWP Demonstrator

Leading
the driveline and propulsion evolution

- Fully integrated electrified systems for MEWP
- Total Cost of Ownership
- Emissions savings
- 50 years of expertise in electrification

More than 30
drive and motion products
MEWP Demonstrator

Leading the driveline and propulsion evolution

Our e-Hub drives for MEWPs features an **electro-mechanical configuration** in a compact package that includes enhanced gear geometries for quieter operation. Meanwhile, its power-dense motor design delivers high efficiency and best-in-class torque performance. Based on our customers' needs we can offer different solution in order to meet the requested performances which can be efficiency or cost or the best compromize between the two.

Fully integrated electrified systems for MEWP

- Total Cost of Ownership
- Emissions savings
- 50 years of expertise in electrification

More than 30
drive and motion products
MEWP Demonstrator

Leading the driveline and propulsion evolution

Electrified solutions for MEWPs make it possible to **streamline the driveline** and increase productivity. Thanks to the internal permanent magnet motor efficiency, the battery range and overall **battery life** is extended in order to bring down the machine's total cost of ownership.

- Fully integrated electrified systems for MEWP

Total Cost of Ownership

- Emissions savings
- 50 years of expertise in electrification

More than 30
drive and motion products
MEWP Demonstrator

Leading the driveline and propulsion evolution

Electrification involves
a **reduction of CO_2** emissions
into the atmosphere, making
an important contribution
to the fight against climate change
and global warming.

- Fully integrated electrified systems for MEWP
- Total Cost of Ownership

Emissions savings

- 50 years of expertise in electrification

More than 30
drive and motion products
MEWP Demonstrator

Leading the driveline and propulsion evolution

We have been building **critical electrification** expertise, resources, and technologies for **more than 50 years.**

This past experience gives us the know-how necessary to address our customers' electrification needs both today and in the future.

- Fully integrated electrified systems for MEWP
- Total Cost of Ownership
- Emissions savings

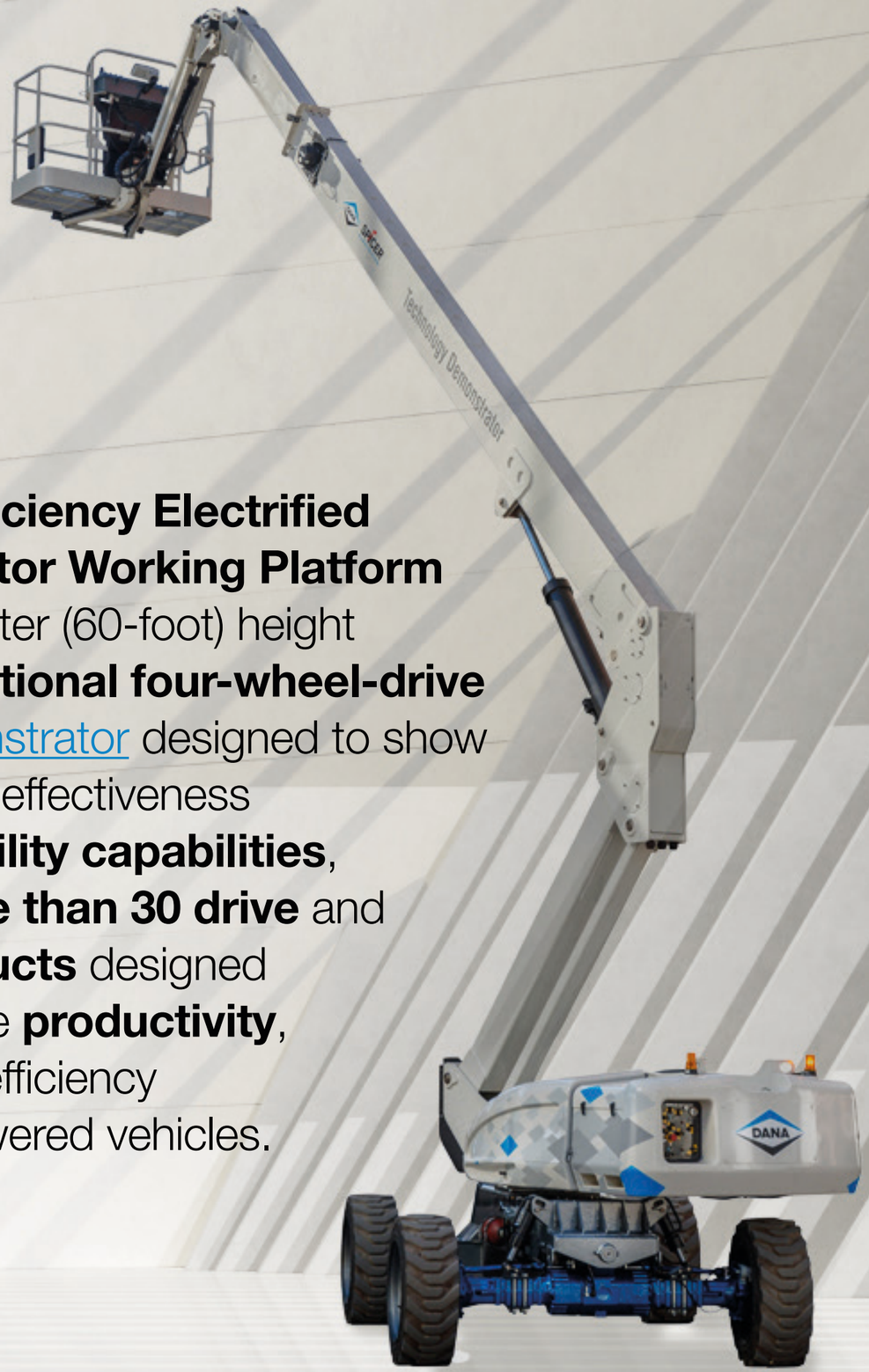
50 years of expertise in electrification

More than 30 drive and motion products

MEWP Demonstrator

Electric-Driven
MEWP Demonstrator

Our High-Efficiency Electrified Mobile Elevator Working Platform with an 18-meter (60-foot) height is **a non-traditional four-wheel-drive** MEWP demonstrator designed to show the range and effectiveness of **our e-Mobility capabilities**, featuring **more than 30 drive** and **motion products** designed to enhance the **productivity**, mobility, and efficiency of electric-powered vehicles.



Full-System Solutions

Full-System Solutions

Articulated Boom

Conventional \ **Electrified**

Telescopic Boom | Slab Scissor | RT Scissor

4 Wheel Drives

Propelling machines with two or four individual compact wheel drives that combine Spicer Torque-Hub™ planetary gearboxes with electric motors to provide optimum traction control when working on a job site.

Discover

Central Drive

By combining Spicer™ axles and centralized high efficiency gearboxes with electric motors. Our axle solutions can deliver the tractive effort required while maintaining axle supported machine designs.

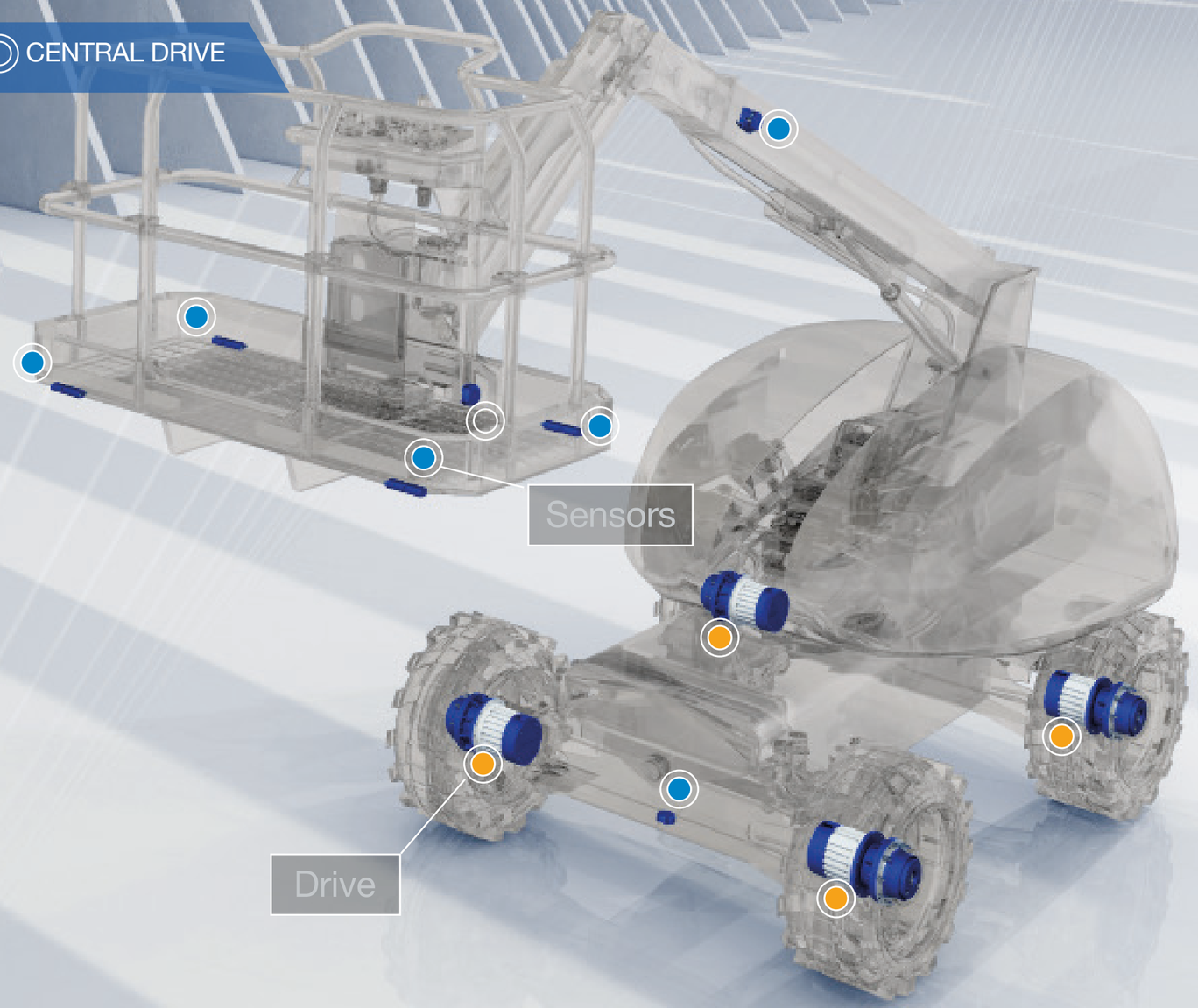
Discover

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | CENTRAL DRIVE



An electro-mechanical
system solution for drive,
with electronic sensors,
for greater efficiency with less size
and weight and long-life performance.

Articulated Boom

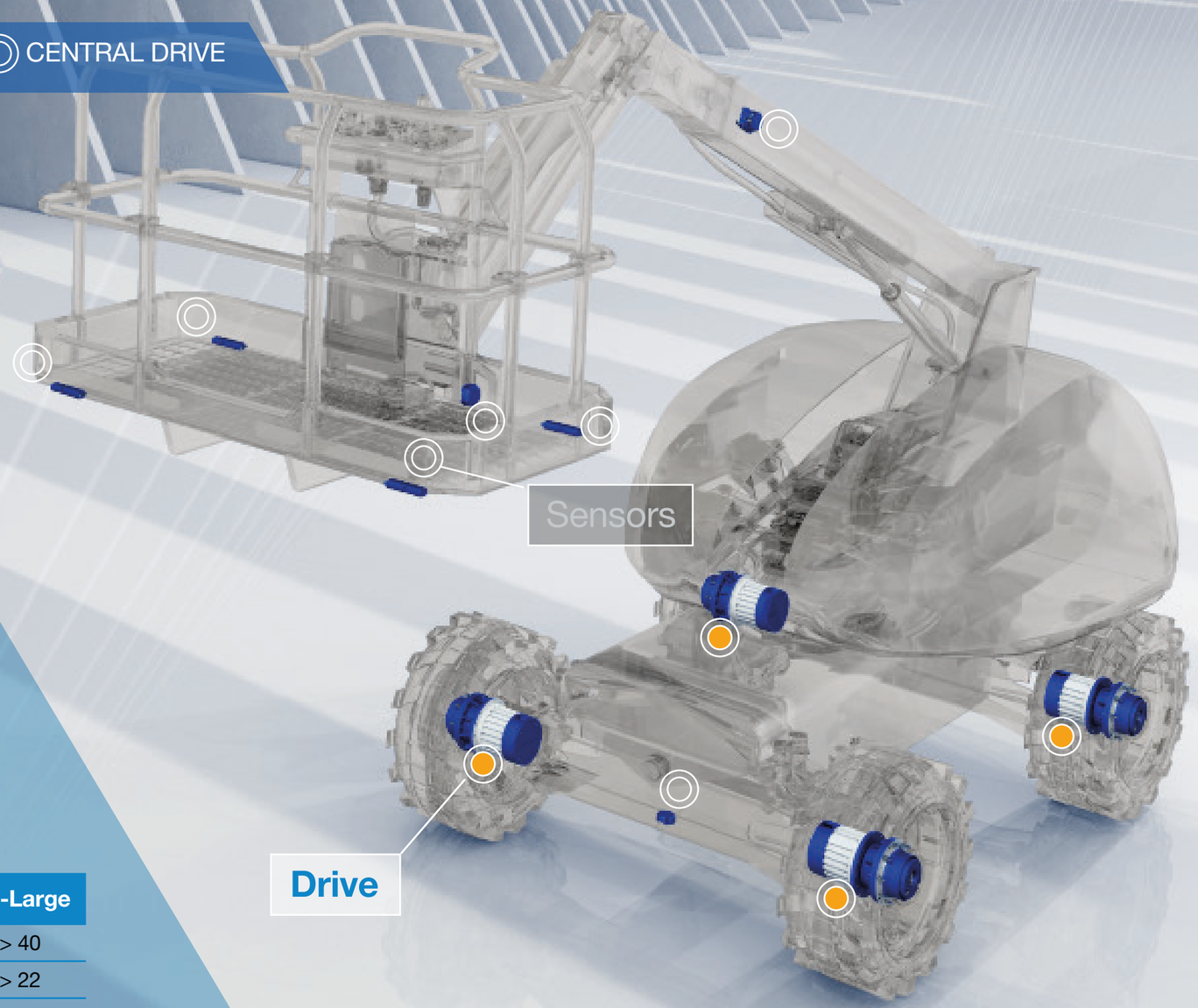
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Spicer Electrified™ e-Drive Torque Hub eS-AW Series



Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
e-Drive Torque Hub	eSAW04	eSAW07	eSAW13	eSAW13	eSAW17

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

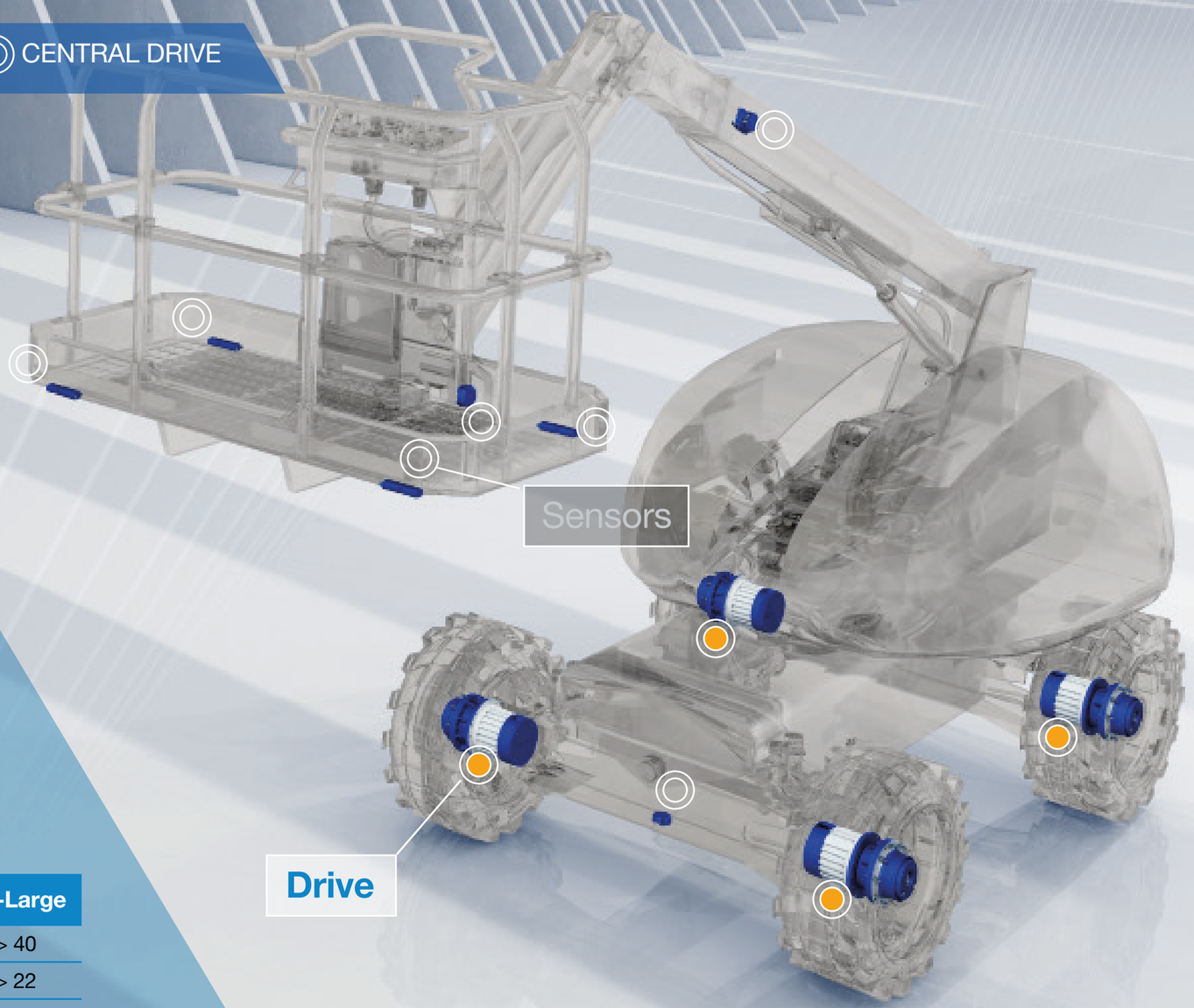
4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Key features and benefits

- 4 sizes with torque outputs from 4kNm to 17kNm engineered to fulfill industry targets for performance, serviceability and durability
- Improves the performance of e-boom lifts with hybrid and fully electric drive systems
- Fully integrated electro-mechanical system
- Internal integrated electric parking brake design for maximum holding power

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
e-Drive Torque Hub	eSAW04	eSAW07	eSAW13	eSAW13	eSAW17



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

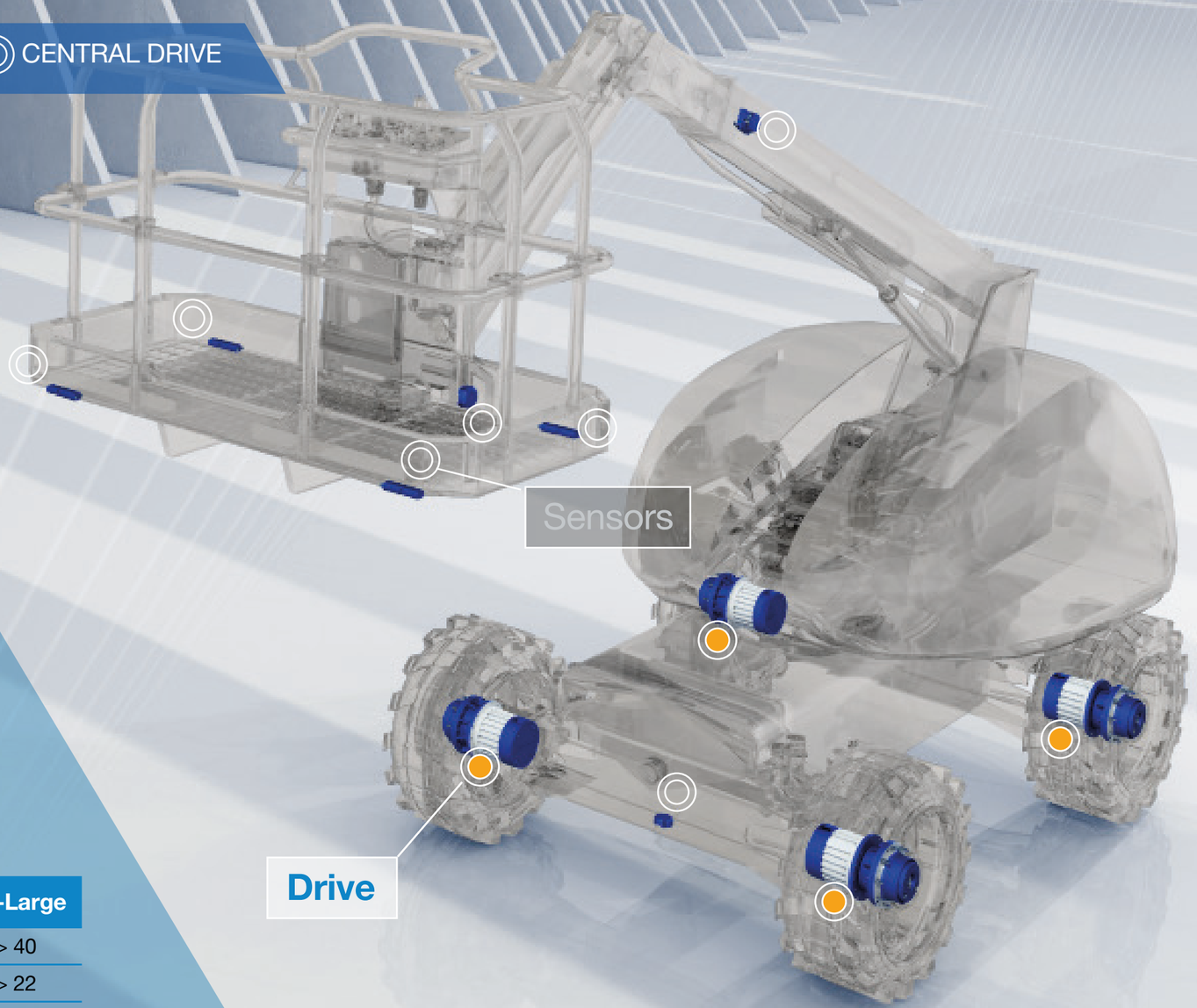
4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Key features and benefits

- IPM and ACIM Integrated advanced e-motor technologies for greater efficiency with compact size and weight
- Compact three-stage planetary gear design provides superior gradeability
- IP67 motor protection from environmental hazards
- Integrated motor options for design flexibility

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
e-Drive Torque Hub	eSAW04	eSAW07	eSAW13	eSAW13	eSAW17



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

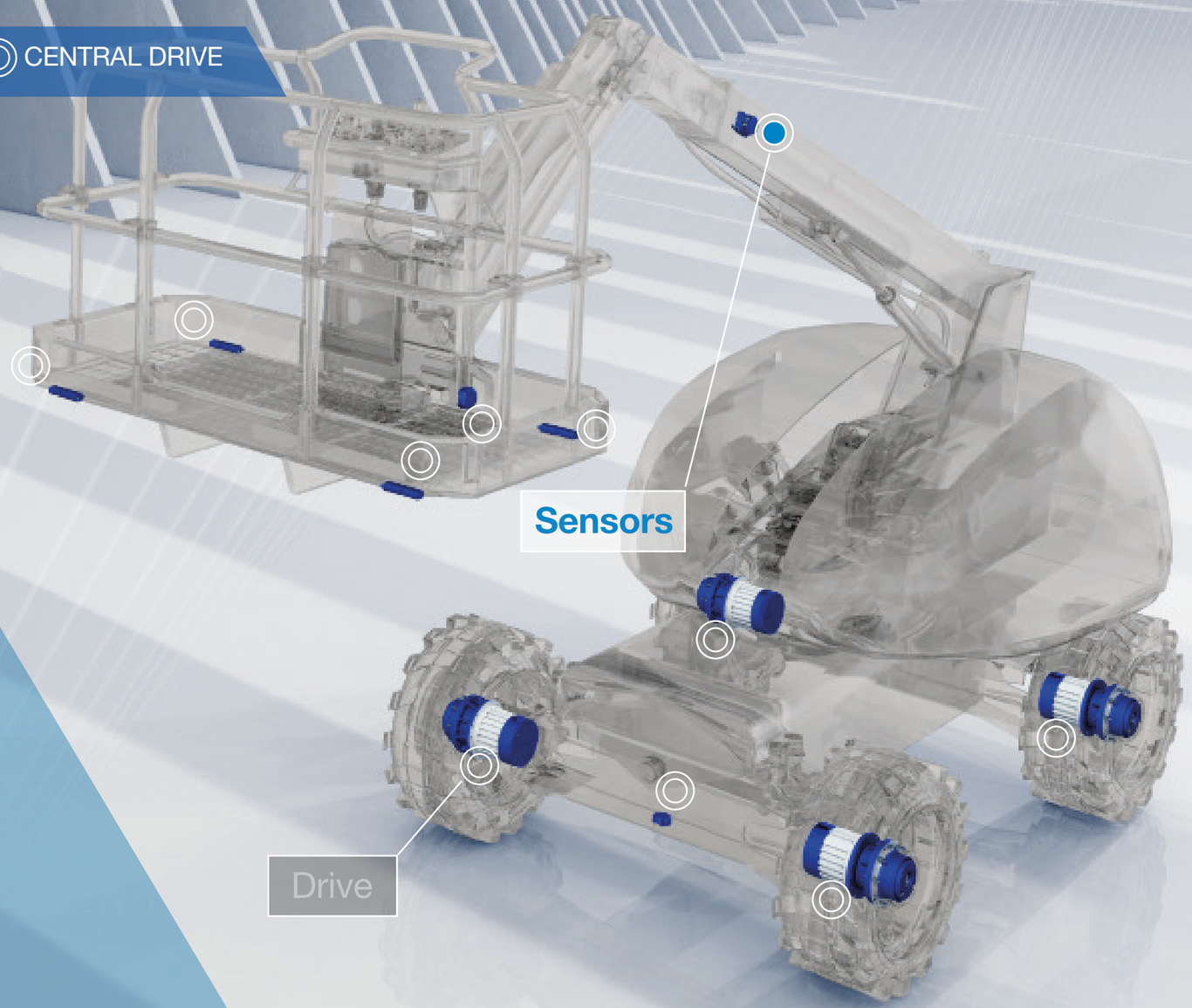
4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Brevini™ electronic sensors
Boom Extension Transducer

Key features and benefits

- Waterproof robust and compact body
- 1 or 2 axis integrated inclinometer available
- Dual\redundant outputs available for PLd EN13849 safety systems
- Length up to 12.5 meter



Articulated Boom

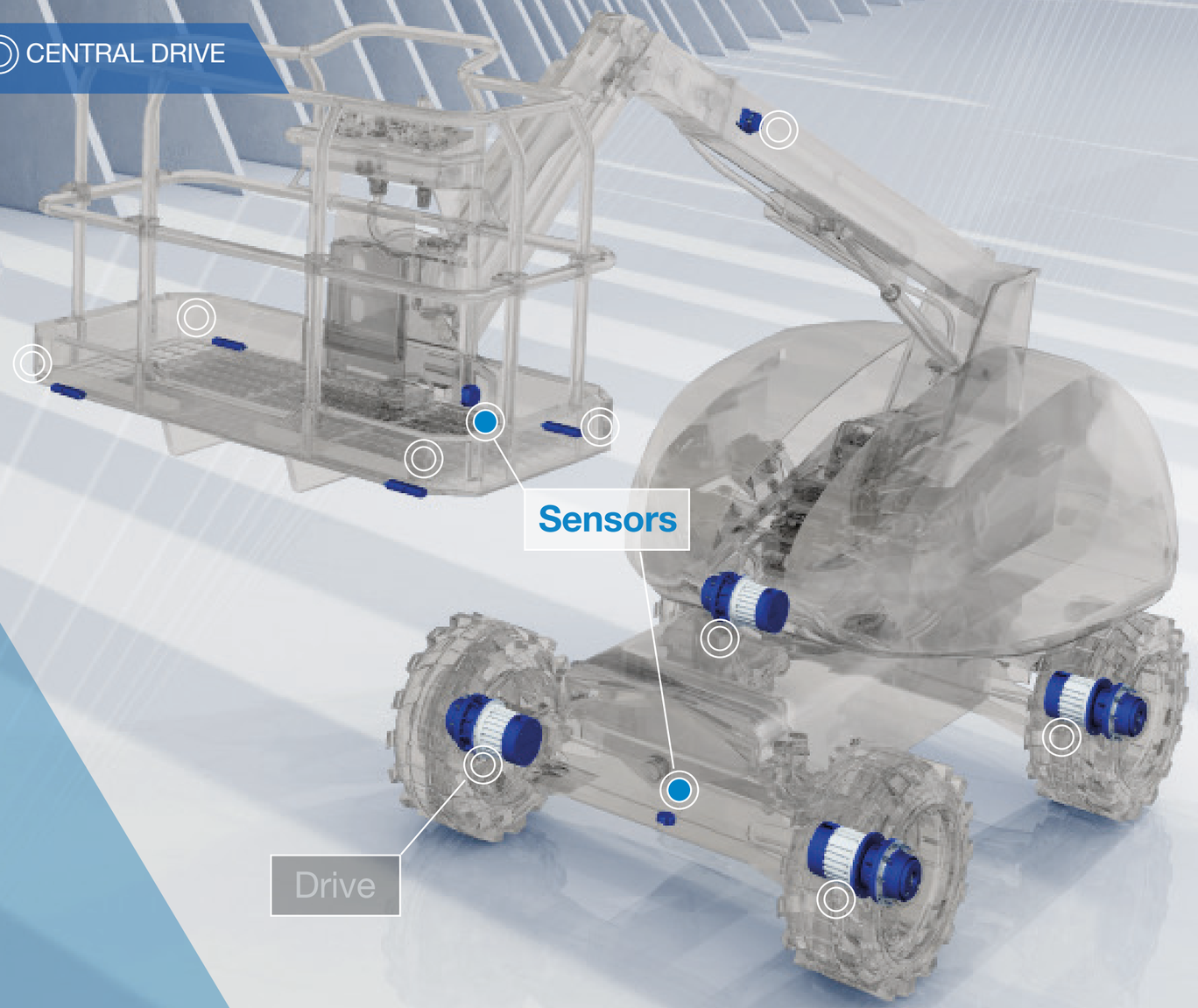
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer



Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available

Telescopic Boom | Slab Scissor | RT Scissor

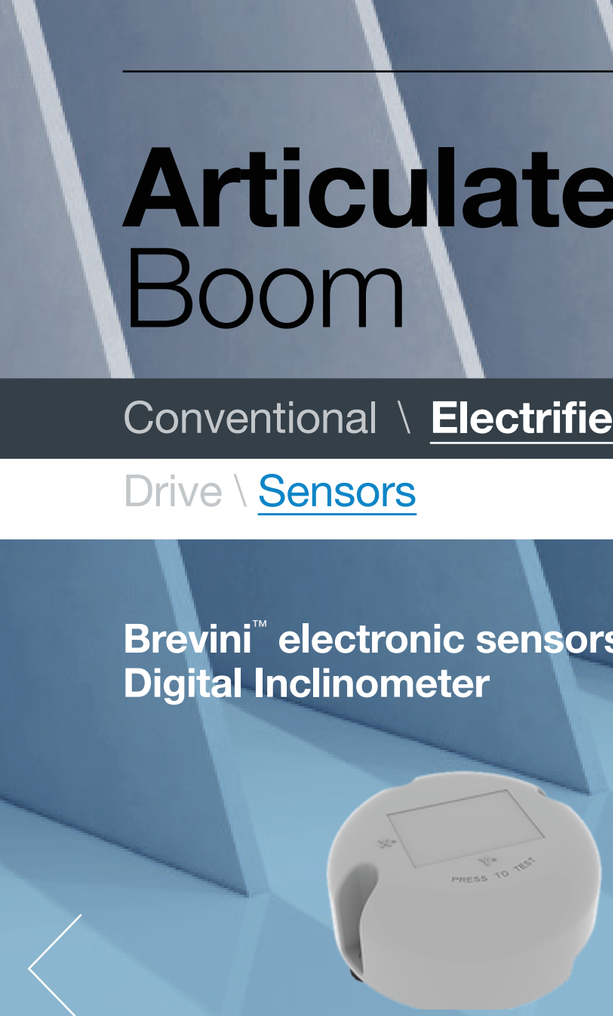
Articulated Boom

Conventional \ **Electrified**

4 WHEEL DRIVE | CENTRAL DRIVE

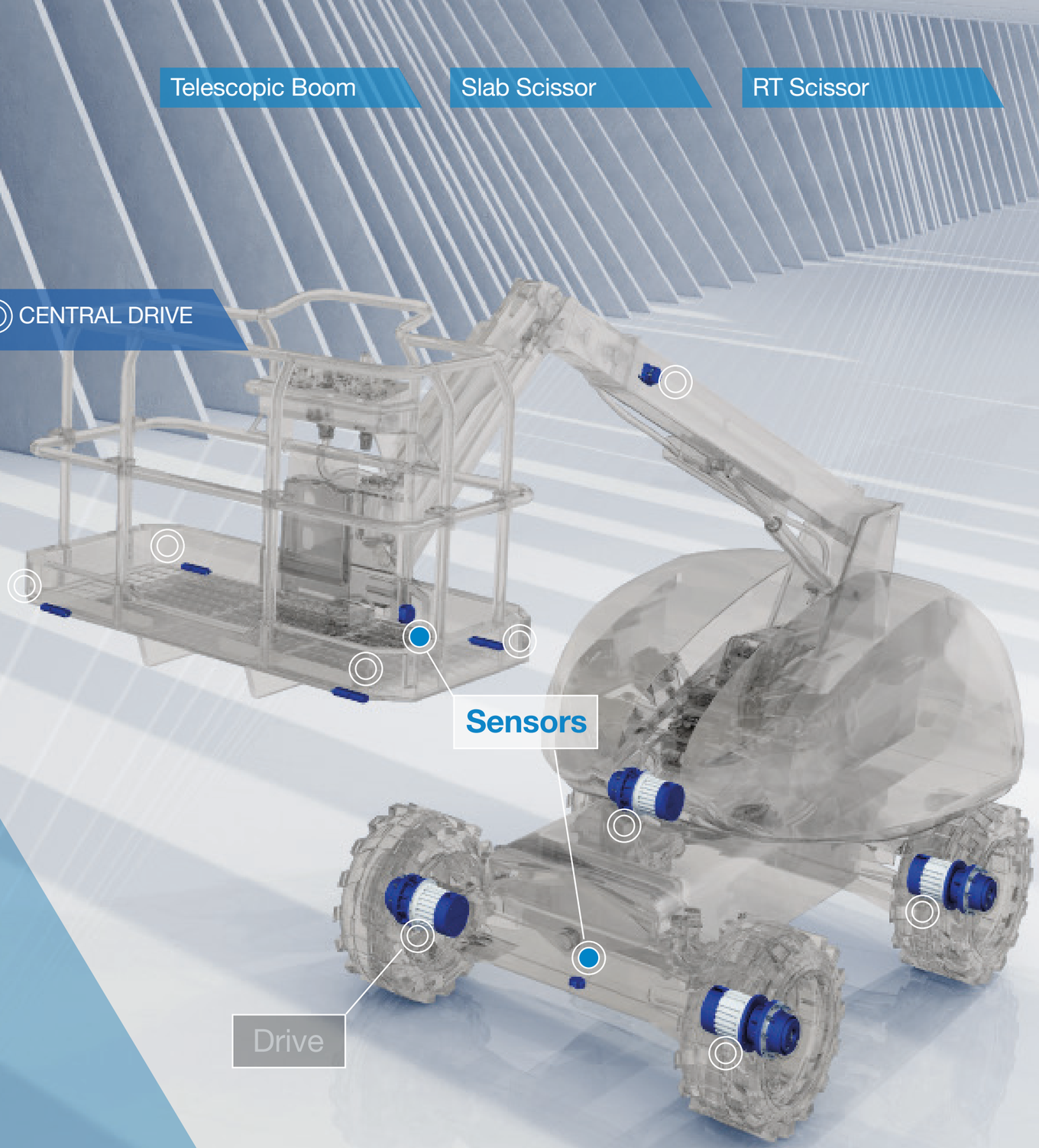
Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer



Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand



Articulated Boom

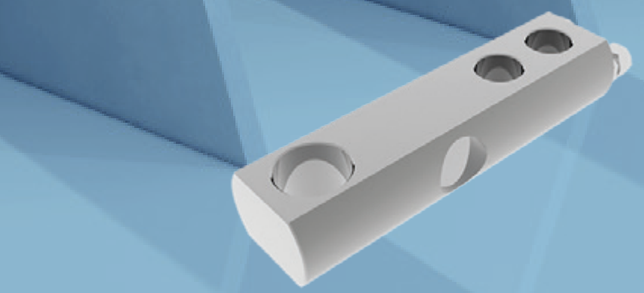
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | CENTRAL DRIVE

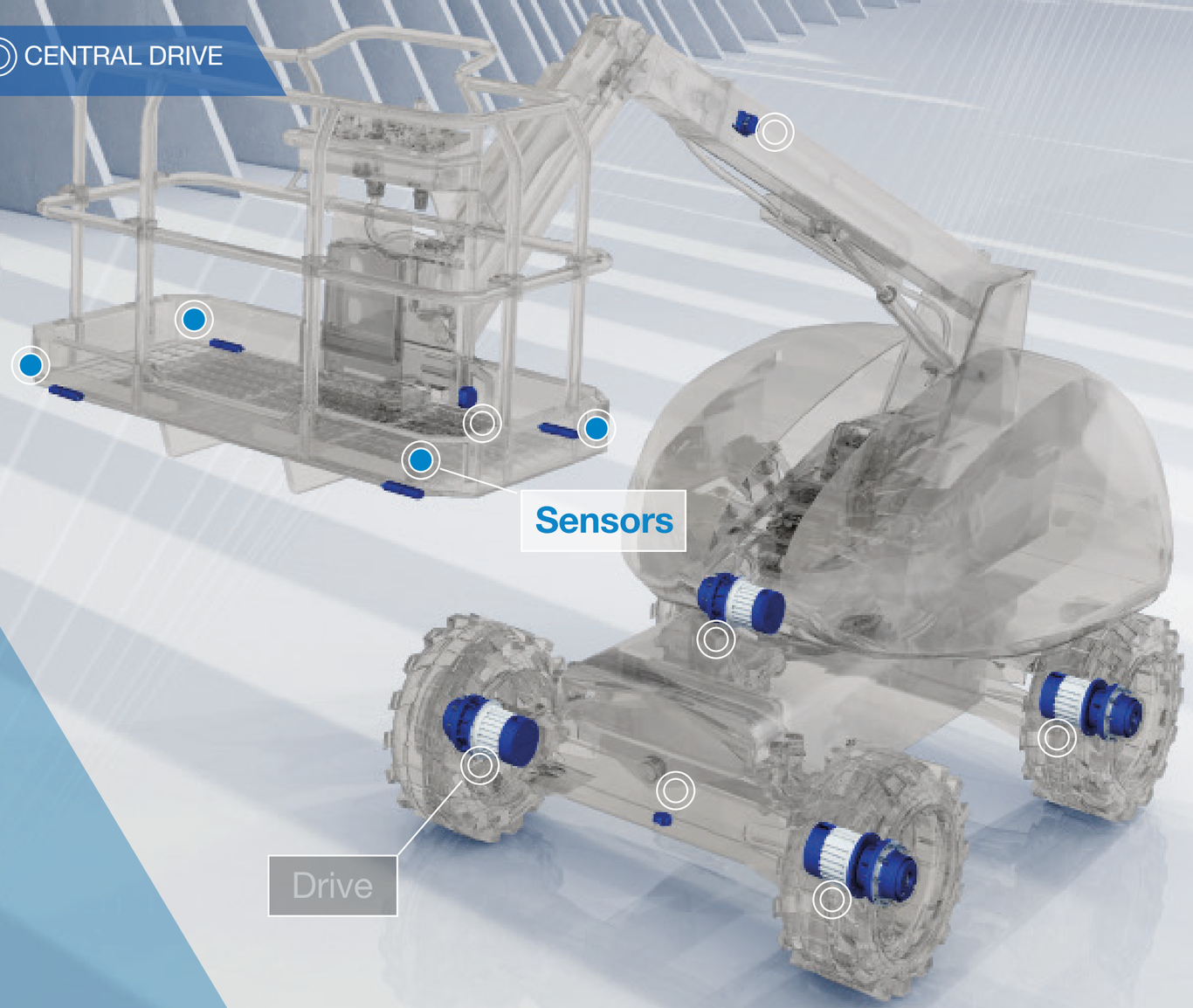
Drive \ Sensors

Brevini™ electronic sensors
Load Sensor



Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available



Articulated Boom

Conventional \ Electrified

Telescopic Boom | Slab Scissor | RT Scissor

4 Wheel

Propelling machines with two or four individual compact wheel drives that combine Spicer Torque-Hub™ planetary gearboxes with hydraulic motors to provide optimum traction control when working on a job site.

Discover

Central

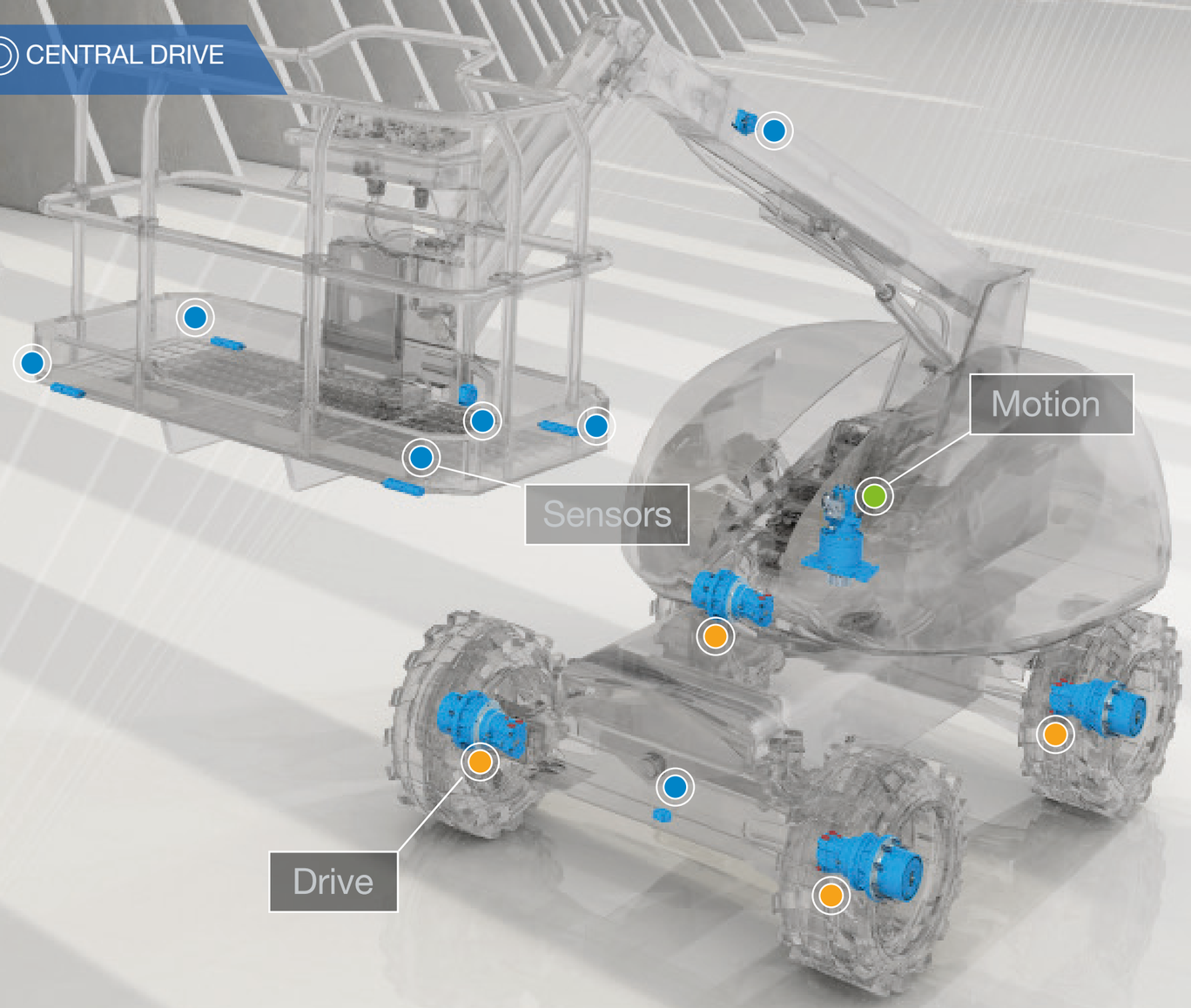
By combining Spicer™ axles and centralized high efficiency gearboxes with hydraulic motors. Our axle solutions can deliver the tractive effort required while maintaining axle supported machine designs.

Discover

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified | **4 WHEEL DRIVE** | CENTRAL DRIVE



A hydraulic system solution
for drive and motion, combined
with electronic sensors,
for greater efficiency and performance.

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

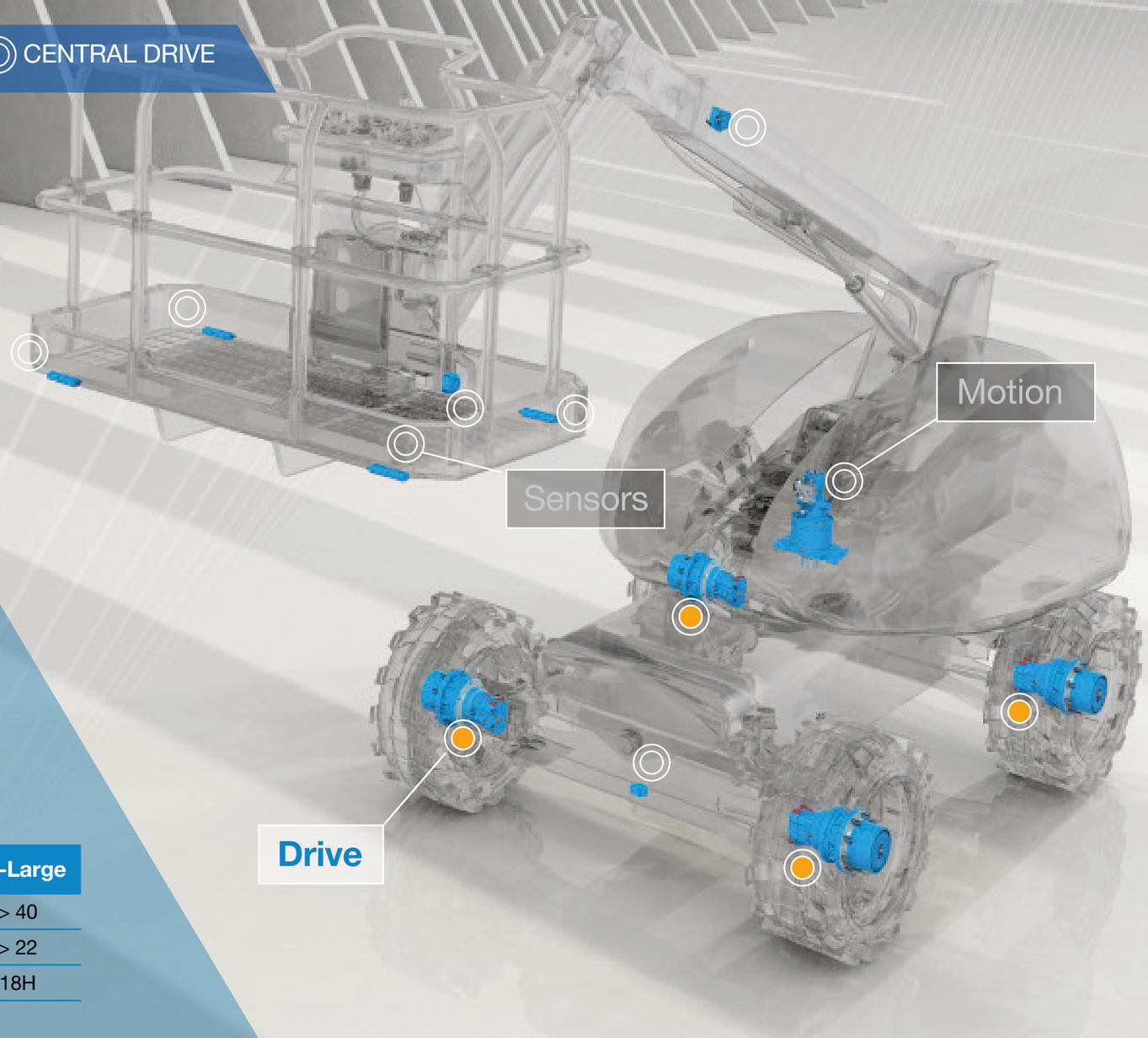
Conventional \ Electrified

Drive \ Motion \ Sensors

4 WHEEL DRIVE | CENTRAL DRIVE

Spicer Torque-Hub™ H Series Wheel Drive

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Spicer Torque-Hub™	4H	7H	13H	18H	18H



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

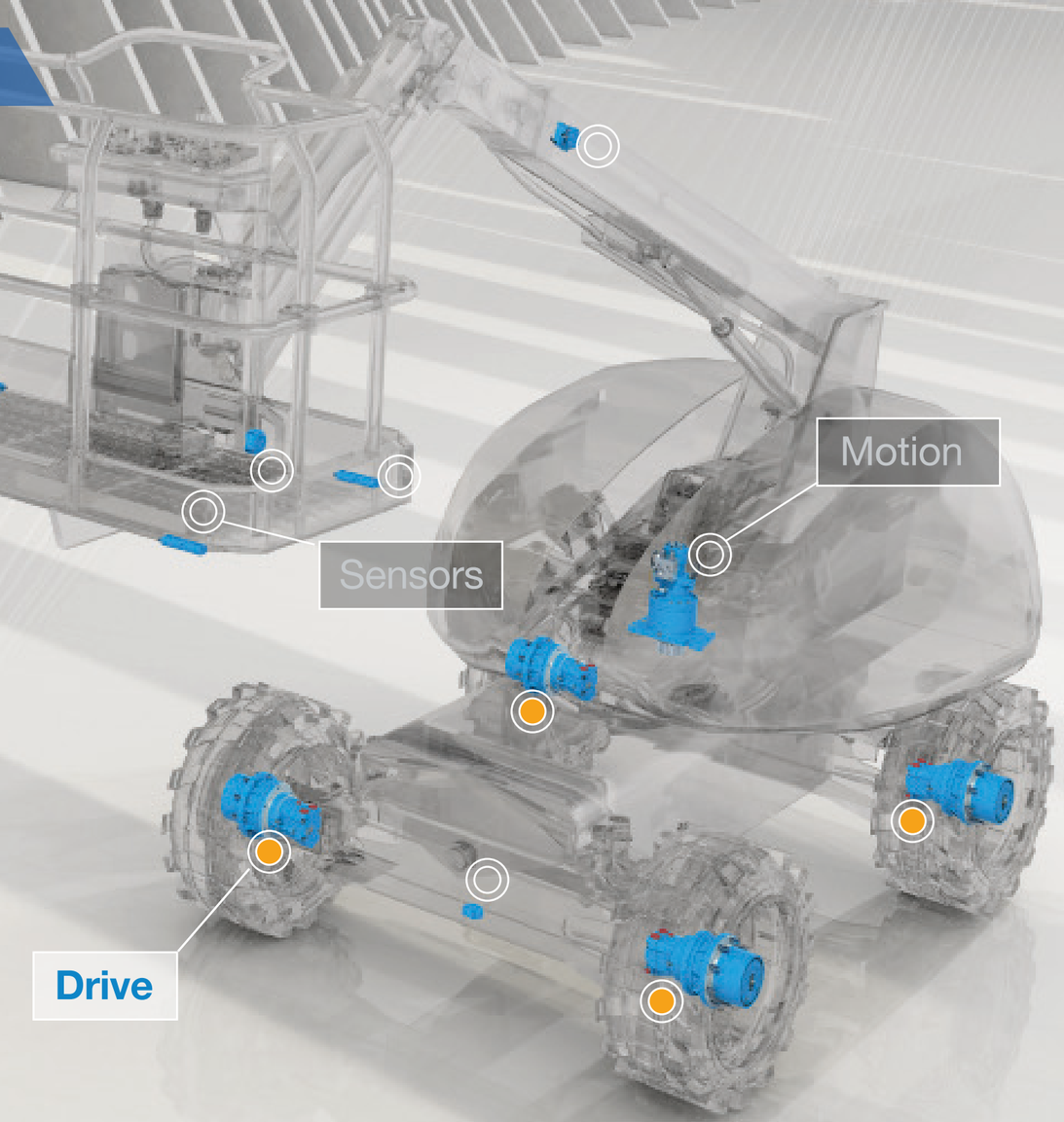
4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Motion \ Sensors

Key features and benefits

- Product range engineered for best-In-class efficiency
- Torque ratings from 4kNm to 18kNm engineered to maximize efficiency and reliability
- Deliver exceptional maneuverability and proven robustness to final drive
- Low maintenance requirements and easy to service

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Spicer Torque-Hub™	4H	7H	13H	18H	18H



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

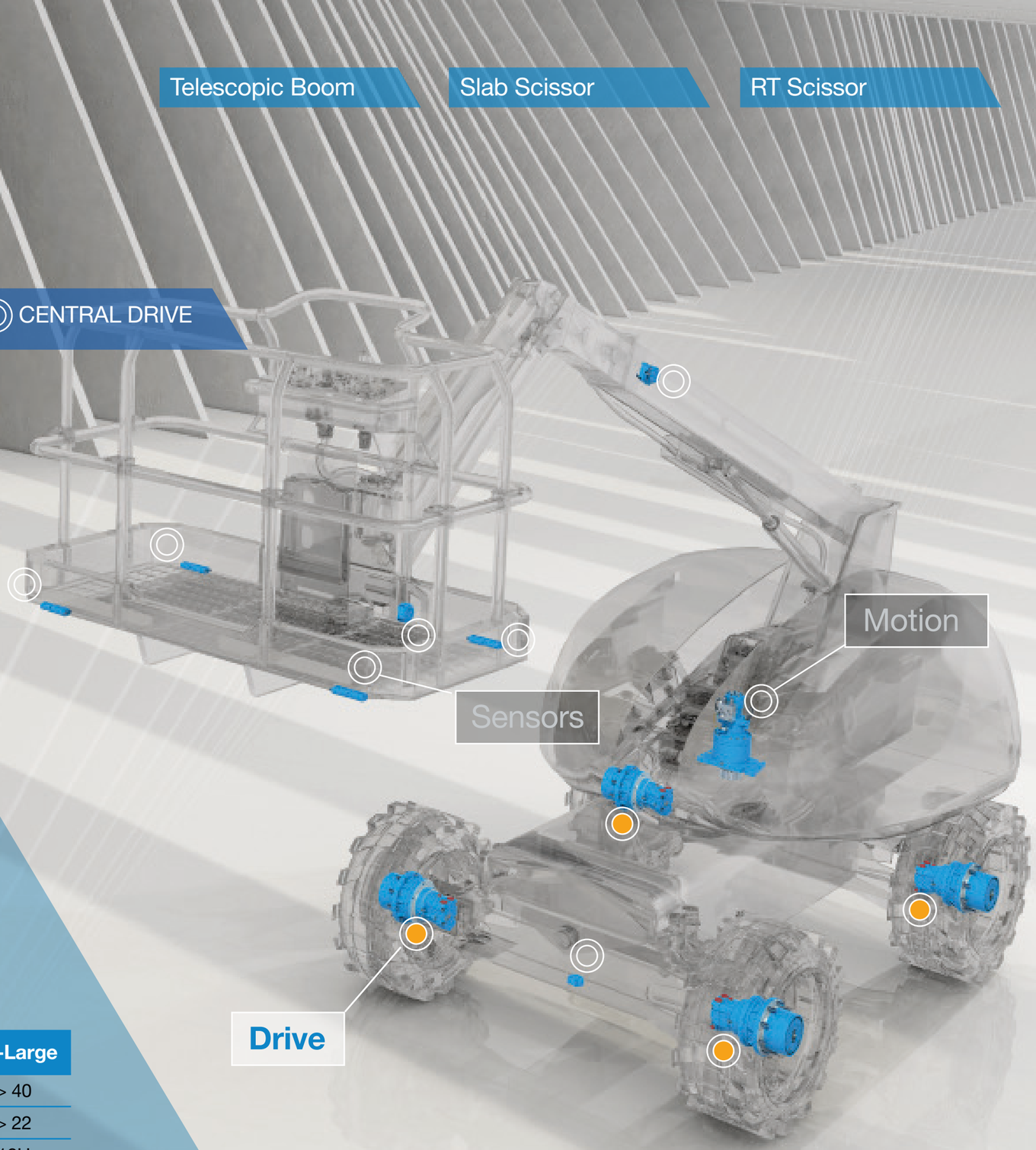
Conventional \ Electrified

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Motion \ Sensors

Key features and benefits

- Sealing system, hub and spindle designed for severe environmental conditions
- Integrated parking brake to meet safety standards



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Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Spicer Torque-Hub™	4H	7H	13H	18H	18H

Articulated Boom

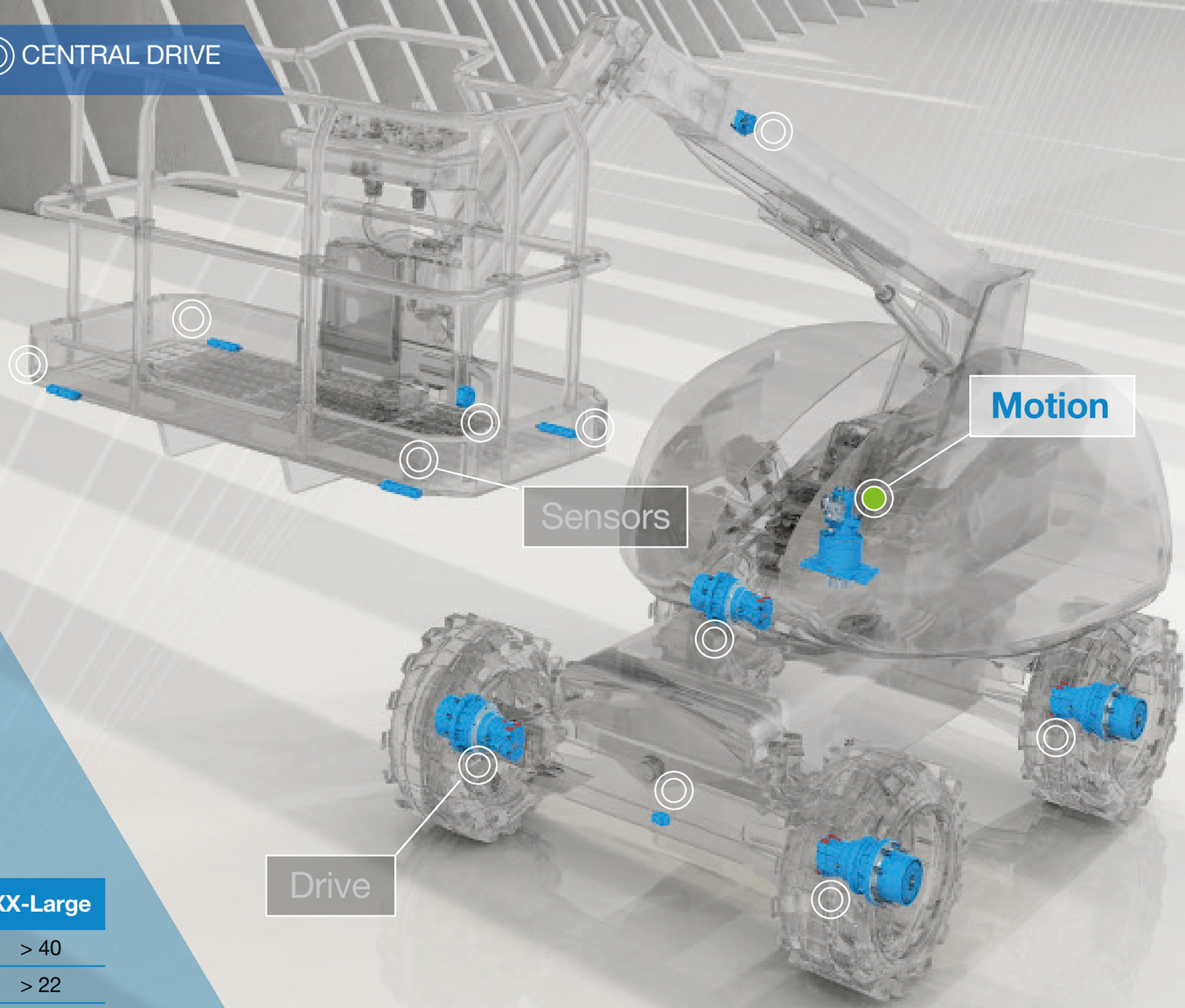
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Motion \ Sensors

Brevini™ Slew Drive P Series with Brevini™ Orbital Motor



Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

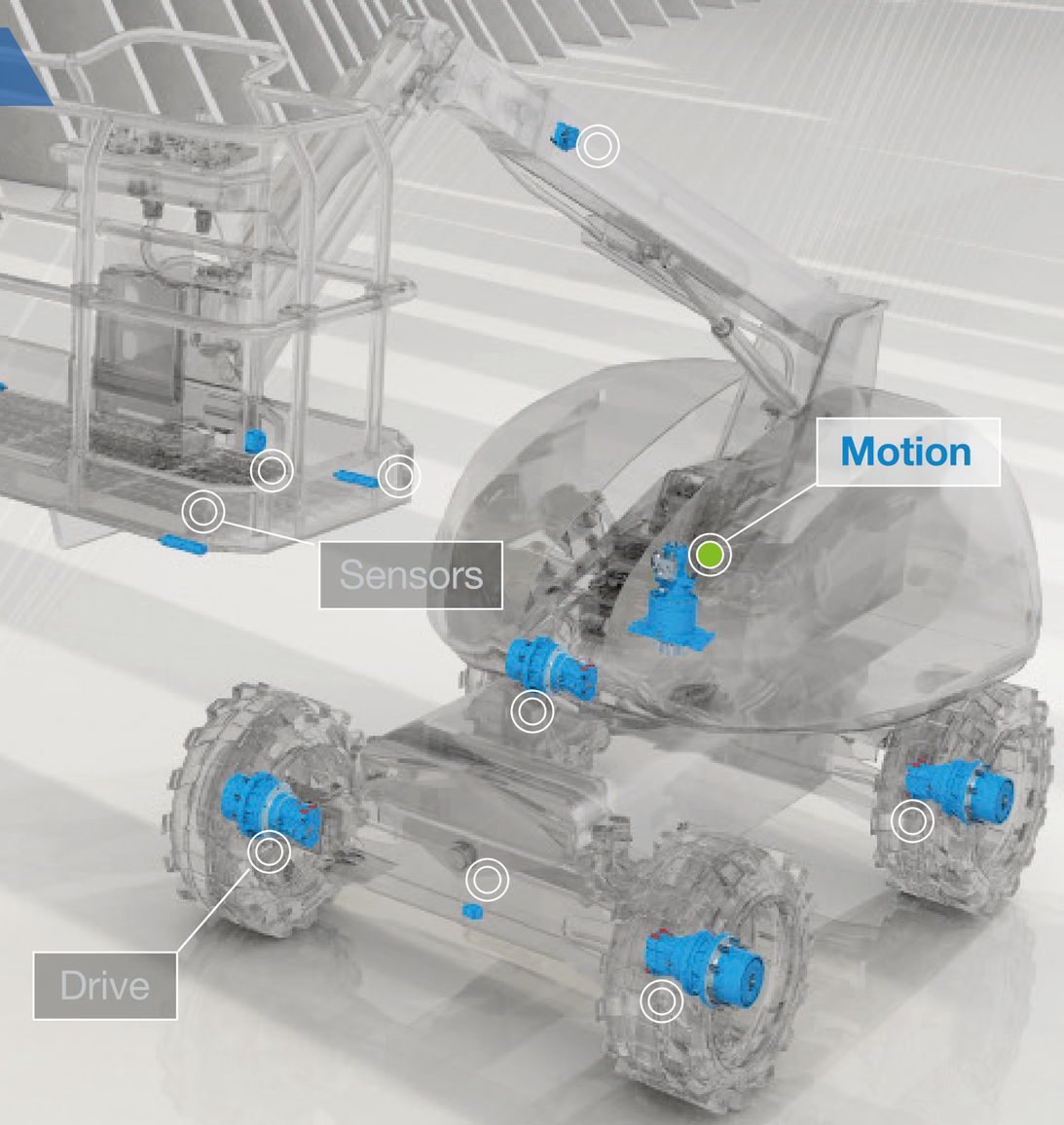
4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Motion \ Sensors

Key features and benefits

- Complete solution with hydraulic orbital motor offering all-in-one solution for slew drives
- Plug and play assembly complete with lifting lugs
- 2-stage reduction with multiple ratios available
- Many pinion options available, custom pinion upon request

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

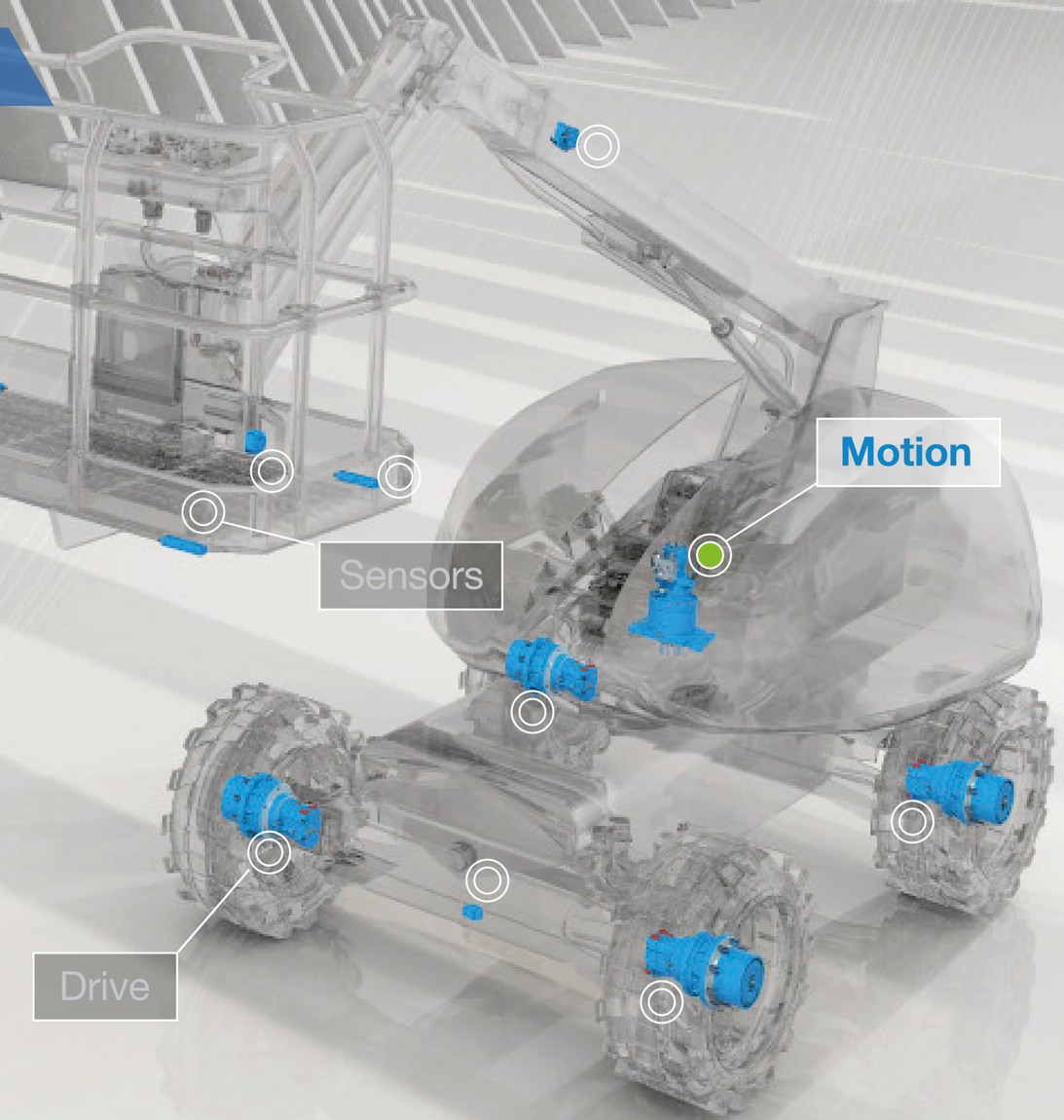
Conventional \ Electrified

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Motion \ Sensors

Key features and benefits

- Spring applied, hydraulically released holding brake
- Convenient backlash adjustment feature between pinion and slew bearing



Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

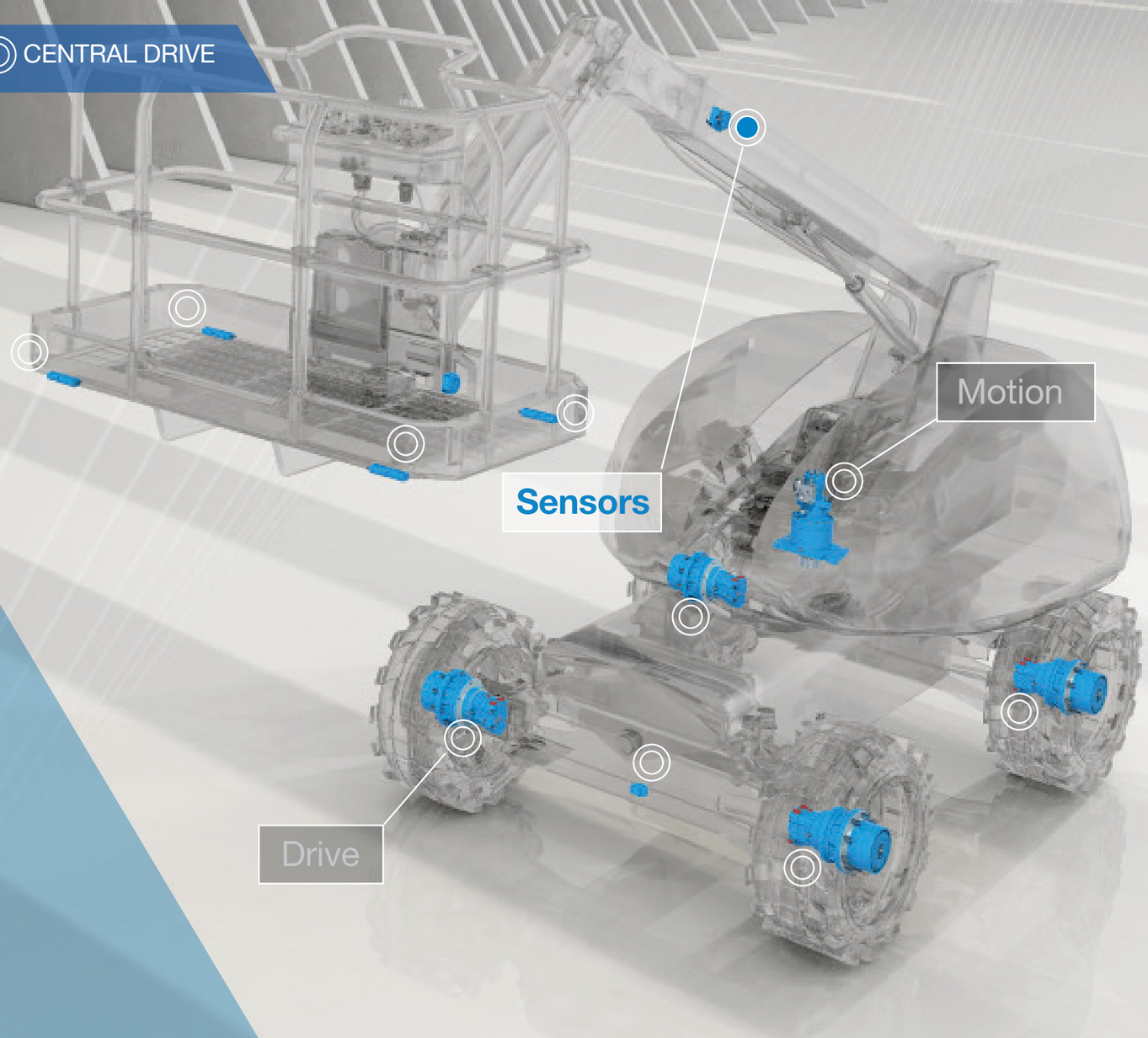
4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Motion \ Sensors

Brevini™ electronic sensors
Boom Extension Transducer

Key features and benefits

- Waterproof robust and compact body
- 1 or 2 axis integrated inclinometer available
- Dual\redundant outputs available for PLd EN13849 safety systems
- Length up to 12.5 meter



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

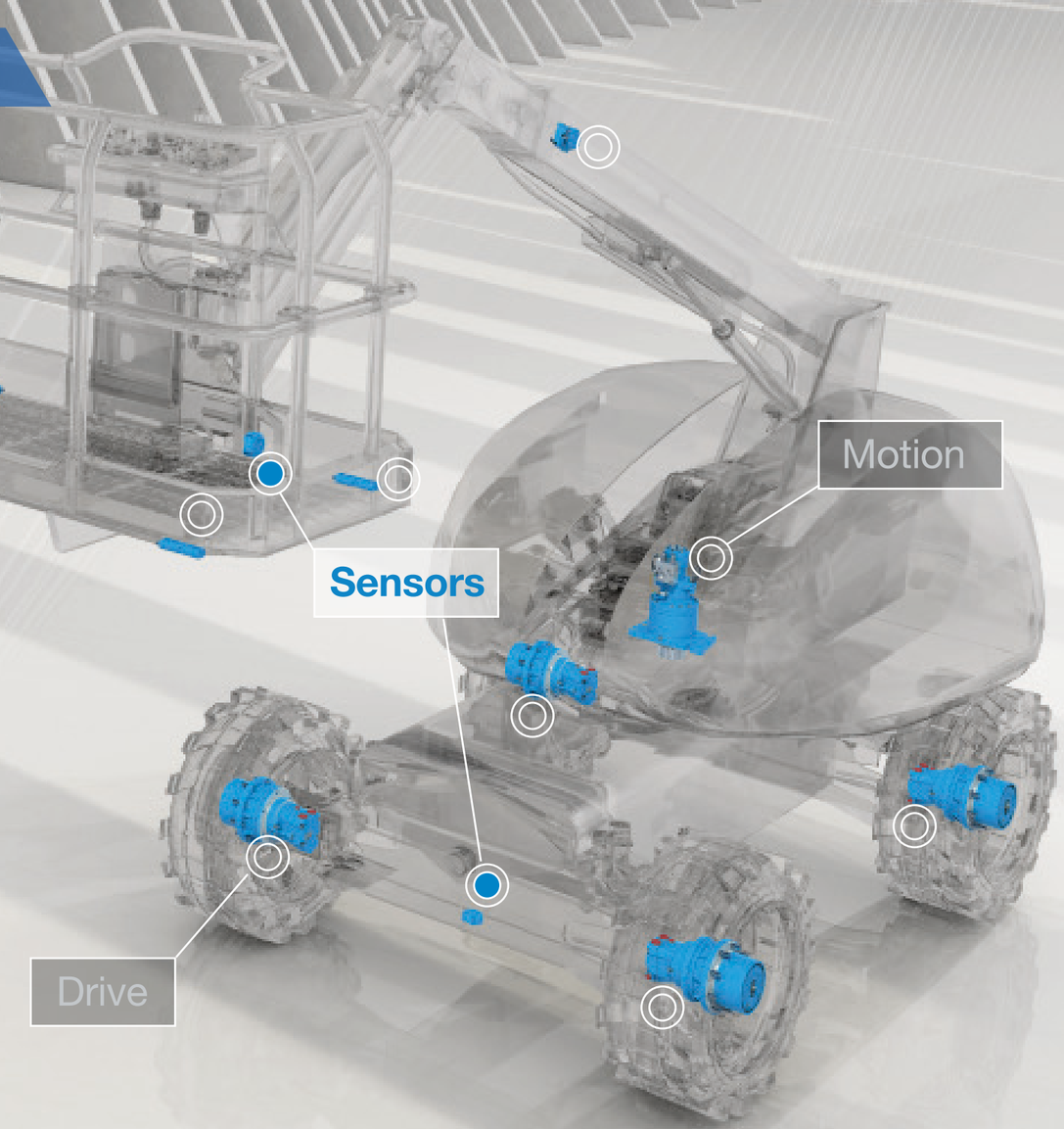
4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Motion \ Sensors

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available



Articulated Boom

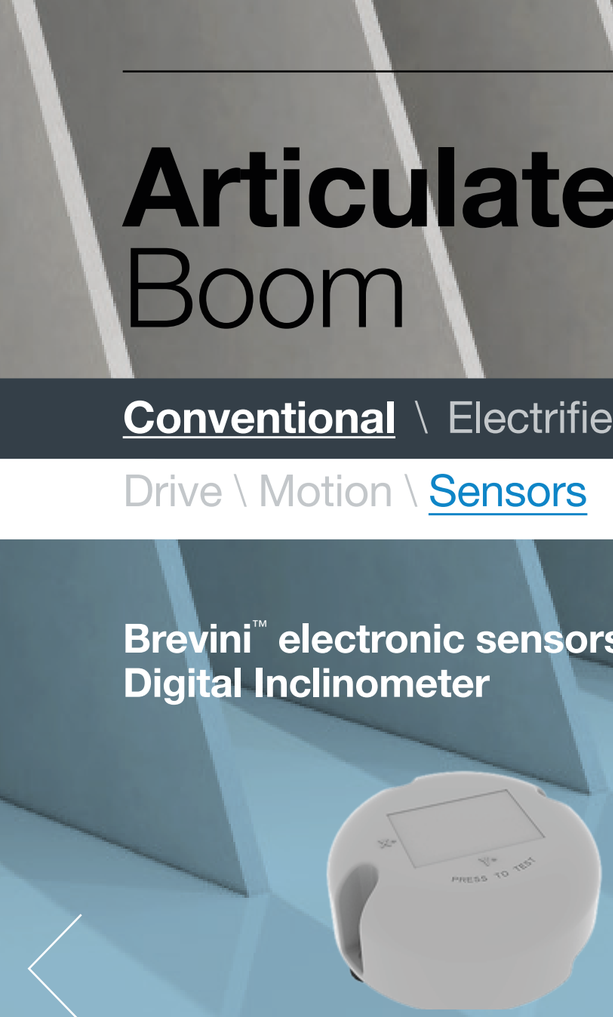
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

4 WHEEL DRIVE | CENTRAL DRIVE

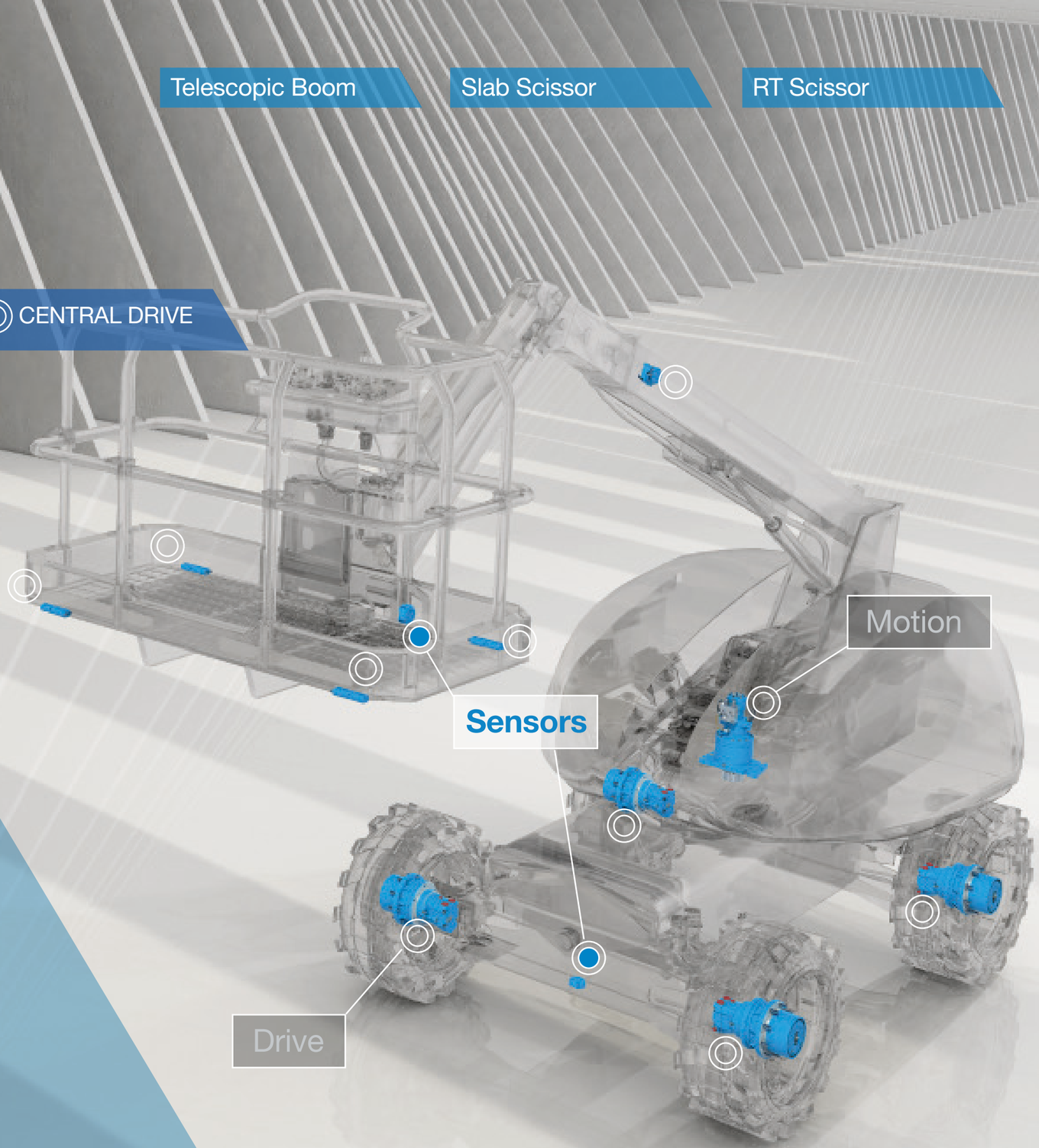
Drive \ Motion \ Sensors

Brevini™ electronic sensors
Digital Inclinometer



Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand



Articulated Boom

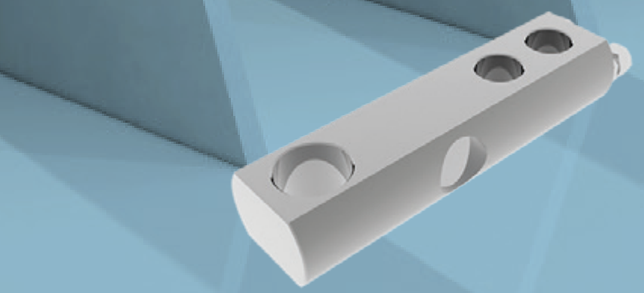
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

4 WHEEL DRIVE | CENTRAL DRIVE

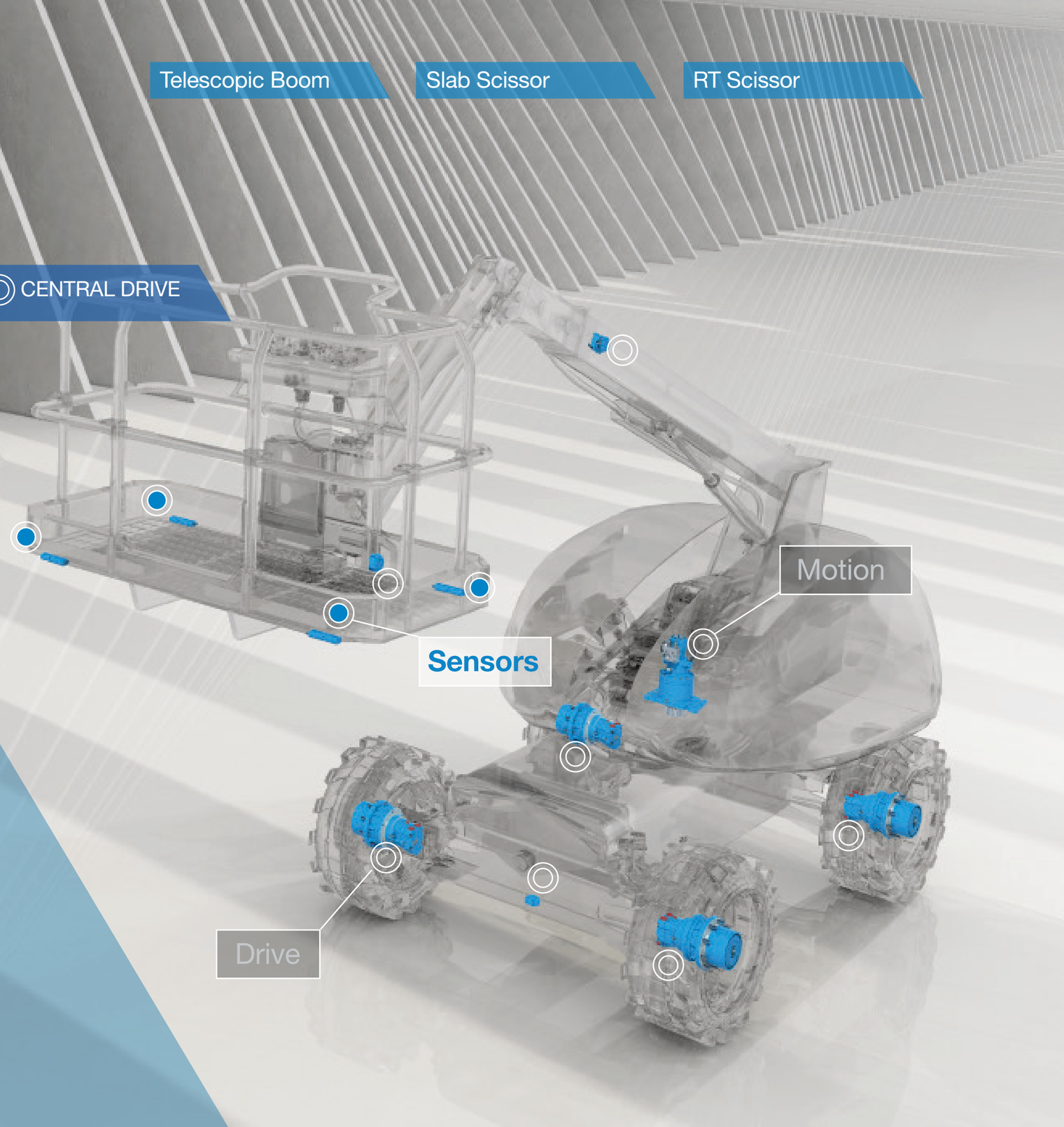
Drive \ Motion \ Sensors

Brevini™ electronic sensors
Load Sensor



Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available



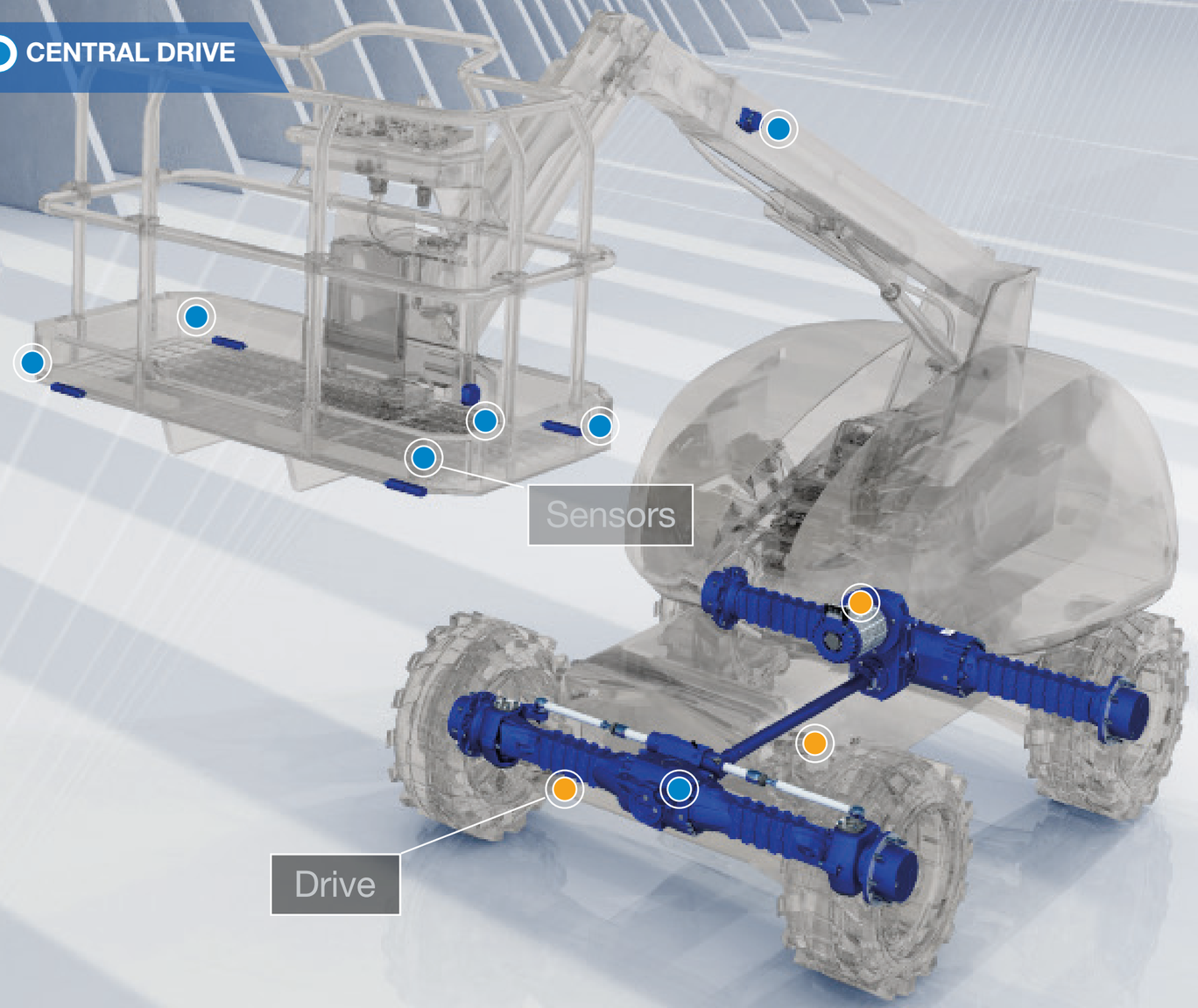
Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE



An electro-mechanical
system solution for drive,
with electronic sensors,
for greater efficiency with less size
and weight and long-life performance.

Articulated Boom

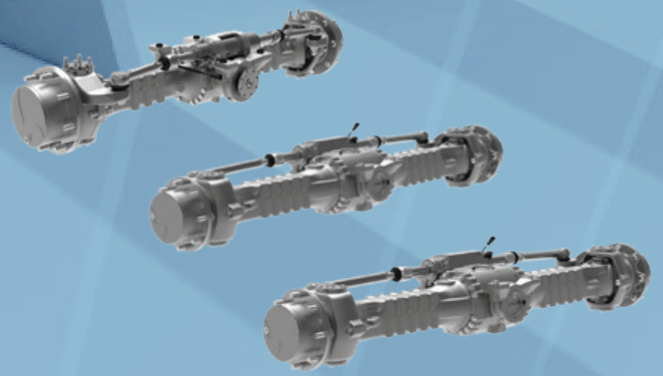
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

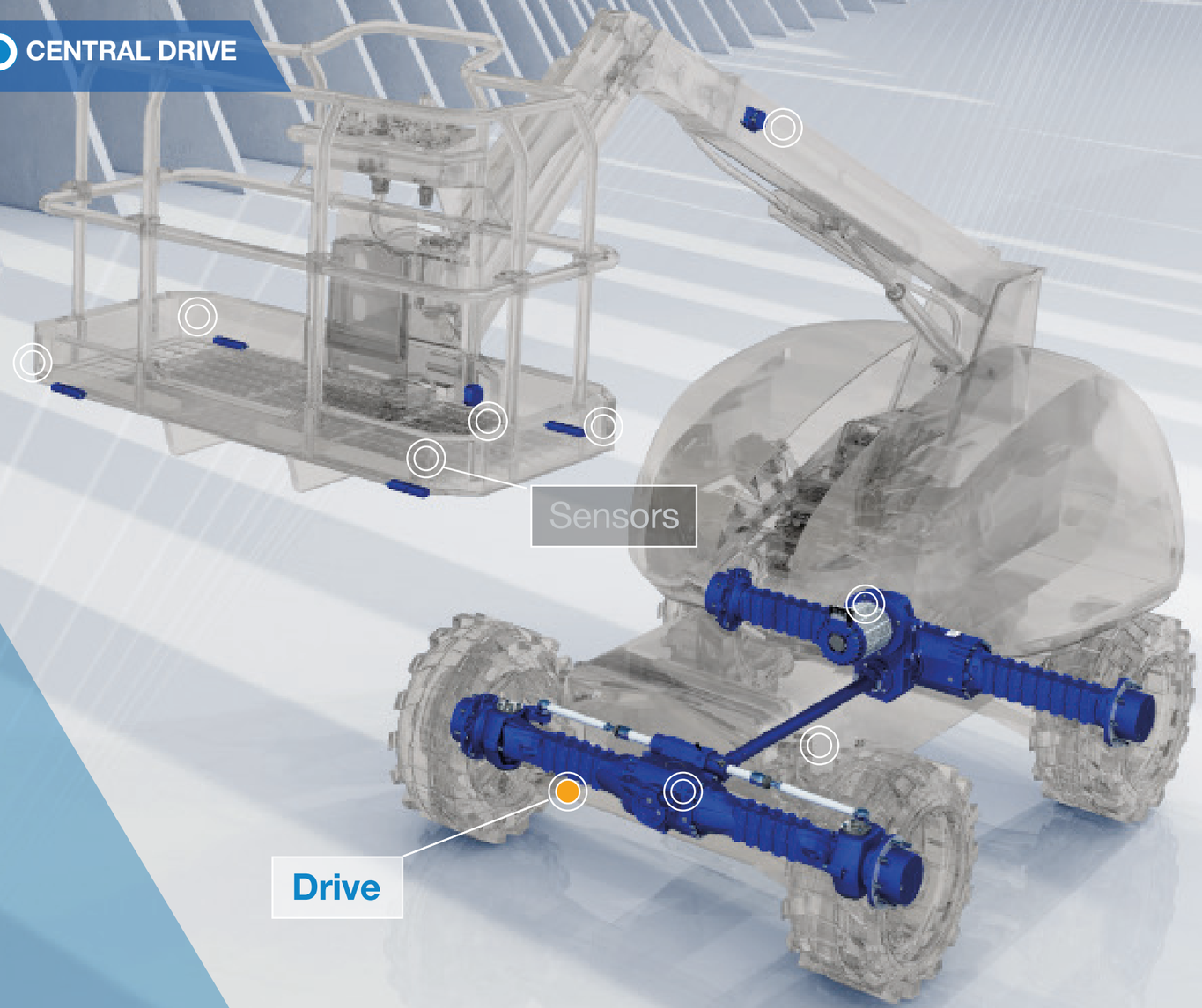
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Spicer™
Front axle 211, 212, 212HD



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Front axle	211	212	212HD



Telescopic Boom | Slab Scissor | RT Scissor

Articulated Boom

Conventional \ **Electrified**

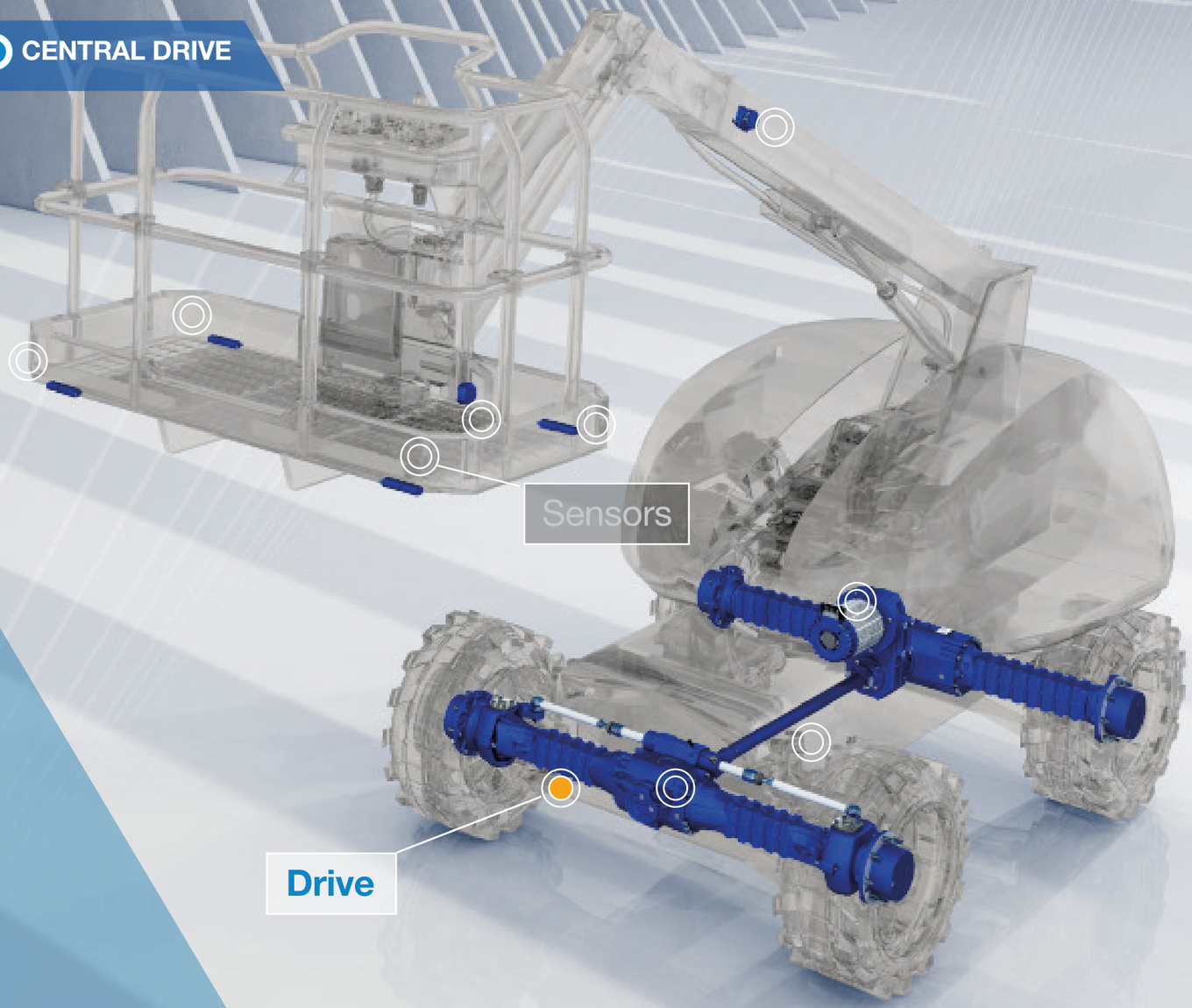
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Key features and benefits

- Planetary steering axle
- High driveline efficiency
- Minimal impact on vehicle frame
- Easy, low-cost service, and maintenance
- Different hub reduction sizes

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Front axle	211	212	212HD



Articulated Boom

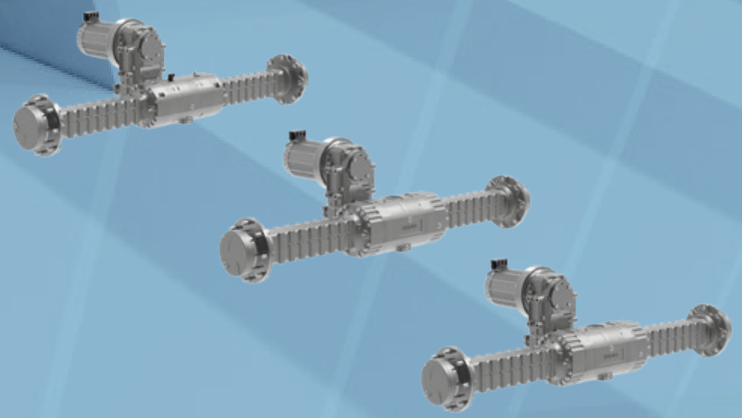
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

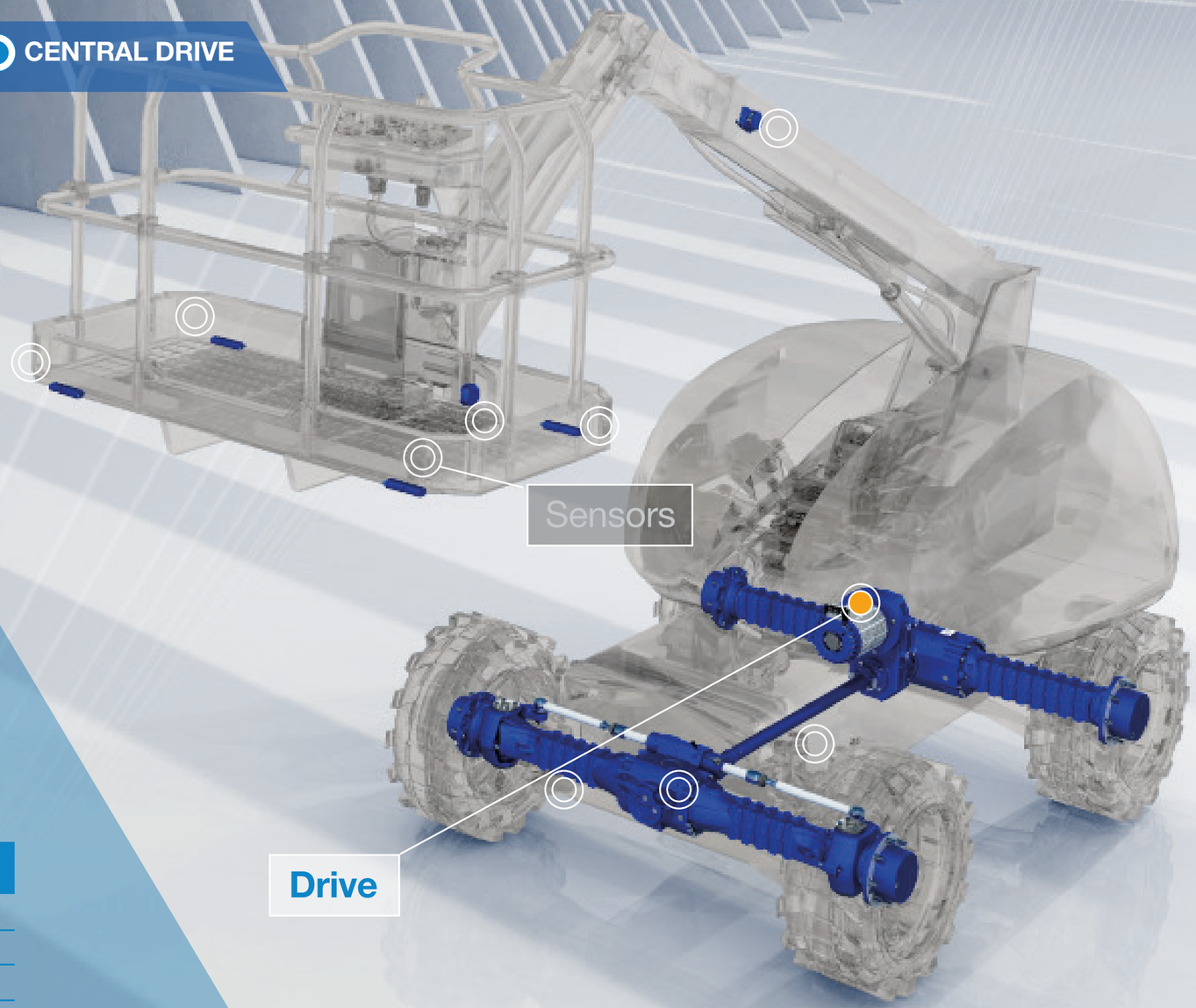
Drive \ Sensors

4 WHEEL DRIVE | **CENTRAL DRIVE**

Spicer Electrified™ Rear e-Axle eS111, eS112, eS112HD with Spicer™ eSG001 Dropbox and Electric Motor



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer Electrified™ Rear e-Axle	eS111	eS112	eS112HD
Dropbox	eSG001	eSG001	eSG001



Telescopic Boom | Slab Scissor | RT Scissor

Articulated Boom

Conventional \ **Electrified**

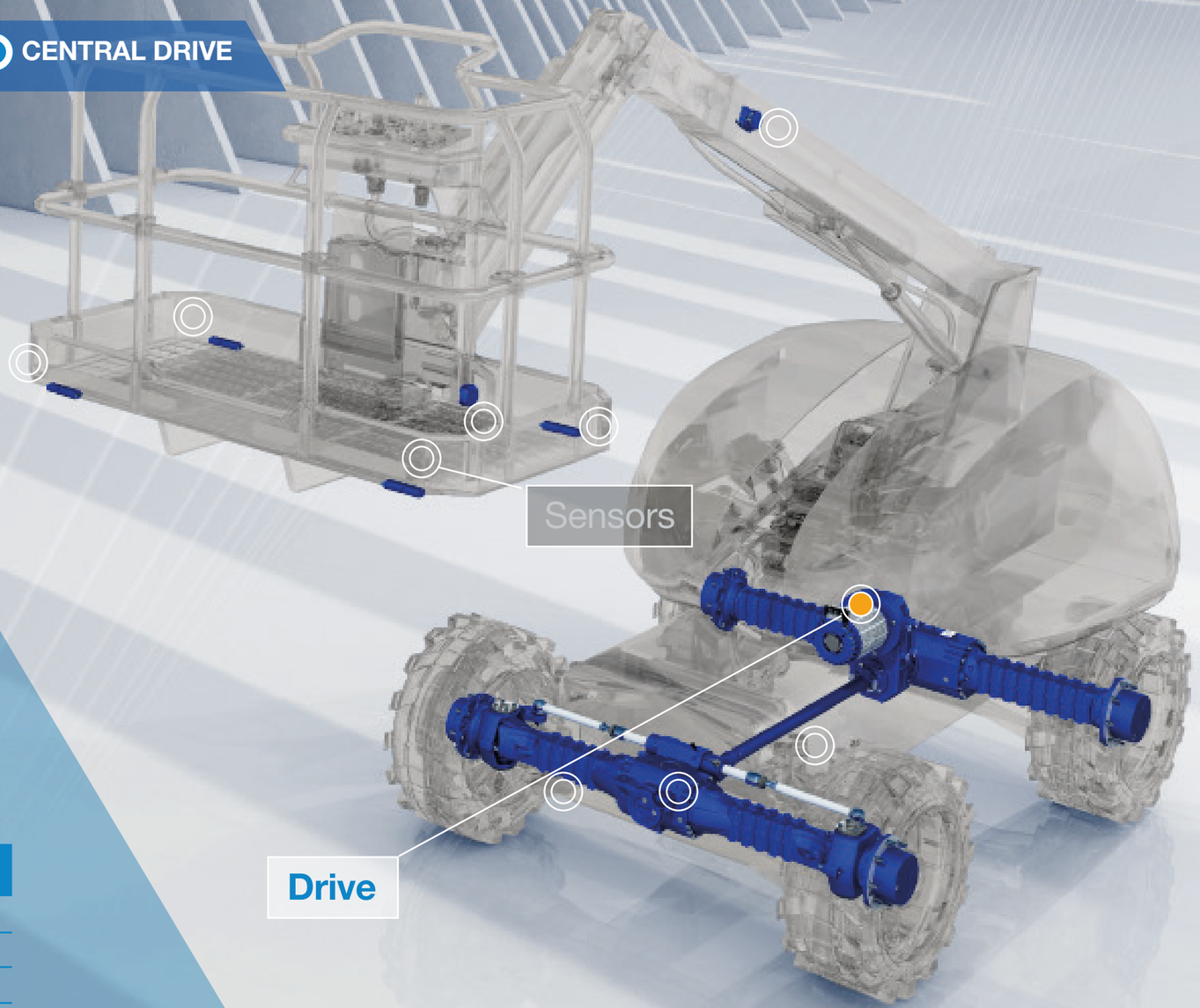
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Key features and benefits

- Planetary rigid axles, based on modular axle, driven by electric motor
- Available in a variety of configurations and ratios
- Single speed dropbox directly flanged to Spicer™ axles, designed to enhance vehicle mobility and allow for quick deployment from worksite to worksite

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer Electrified™ Rear e-Axle	eS111	eS112	eS112HD
Dropbox	eSG001	eSG001	eSG001



Telescopic Boom | Slab Scissor | RT Scissor

Articulated Boom

Conventional \ **Electrified**

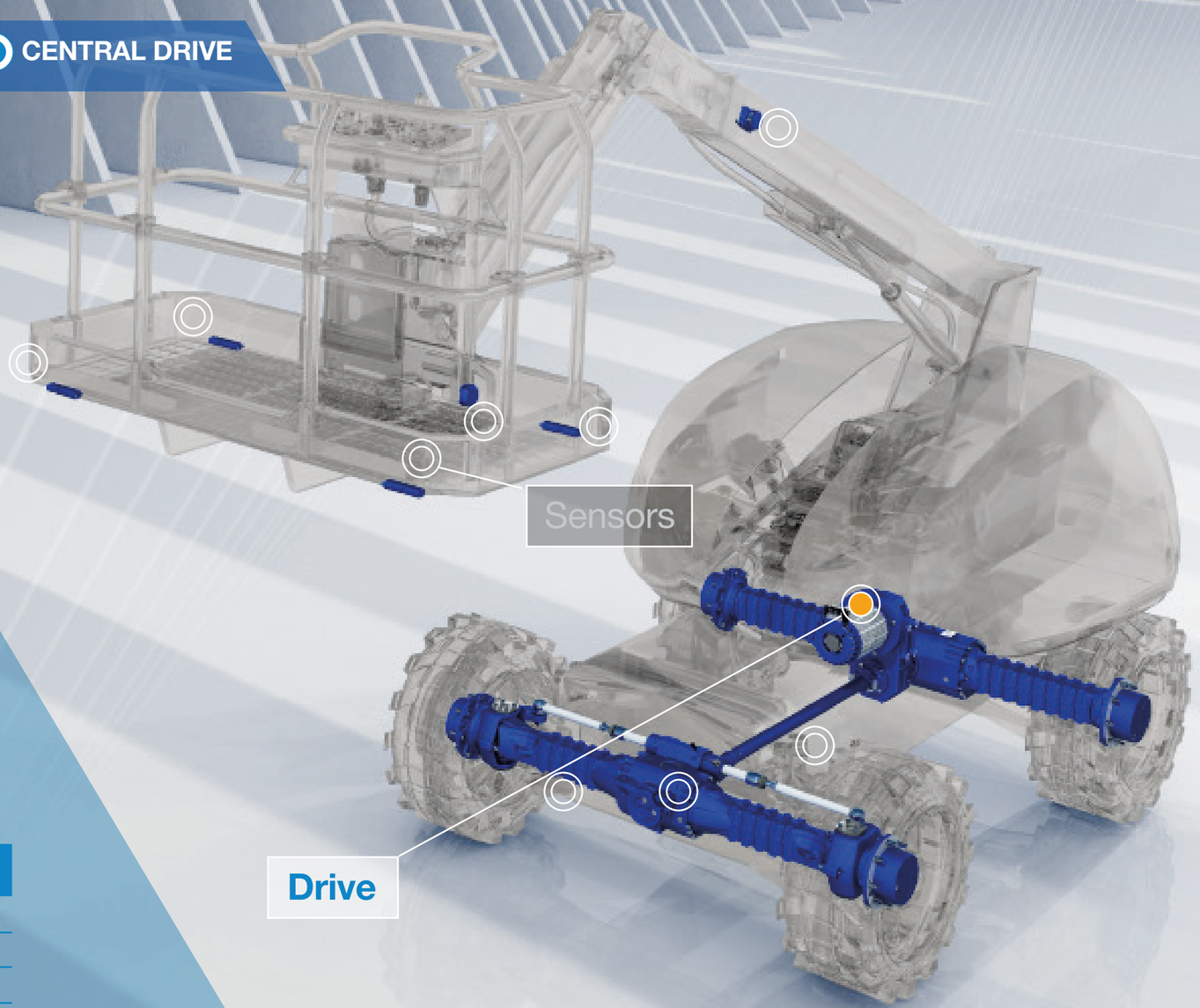
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Key features and benefits

- Optimized NVH and efficiency for electric applications
- Four-wheel drive engagement
- Optional electromagnetic spring applied parking brake
- Different electric motors technologies to meet performance requirements
- DC voltage range: 48 V to 96 V

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer Electrified™ Rear e-Axle	eS111	eS112	eS112HD
Dropbox	eSG001	eSG001	eSG001



Articulated Boom

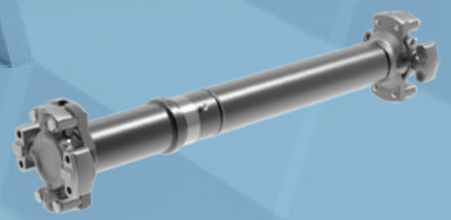
Telescopic Boom | Slab Scissor | RT Scissor

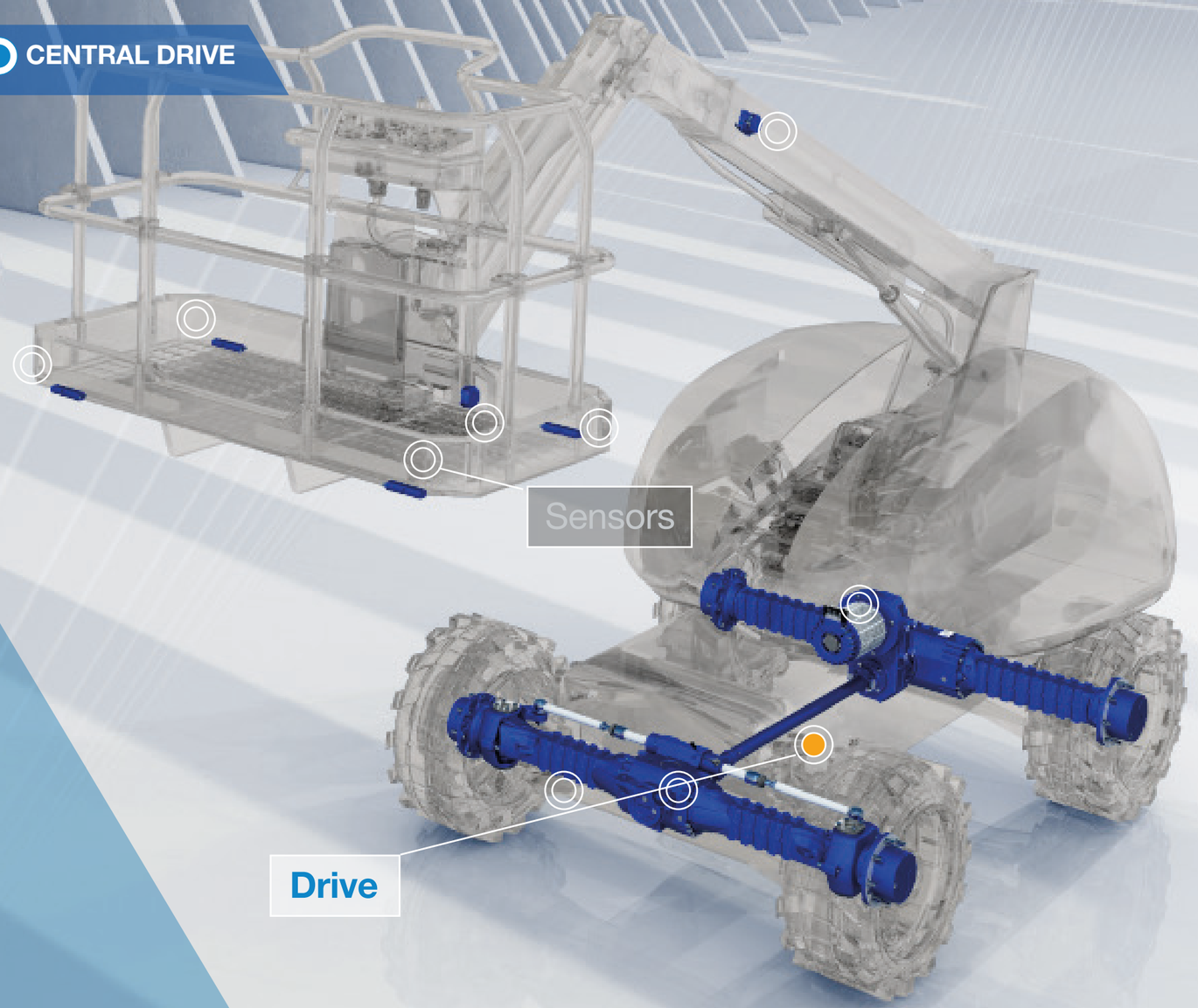
Conventional \ **Electrified**

Drive \ Sensors

4 WHEEL DRIVE | **CENTRAL DRIVE**

Spicer™ Driveshaft 10 Series





Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series	10 Series

Telescopic Boom | Slab Scissor | RT Scissor

Articulated Boom

Conventional \ **Electrified**

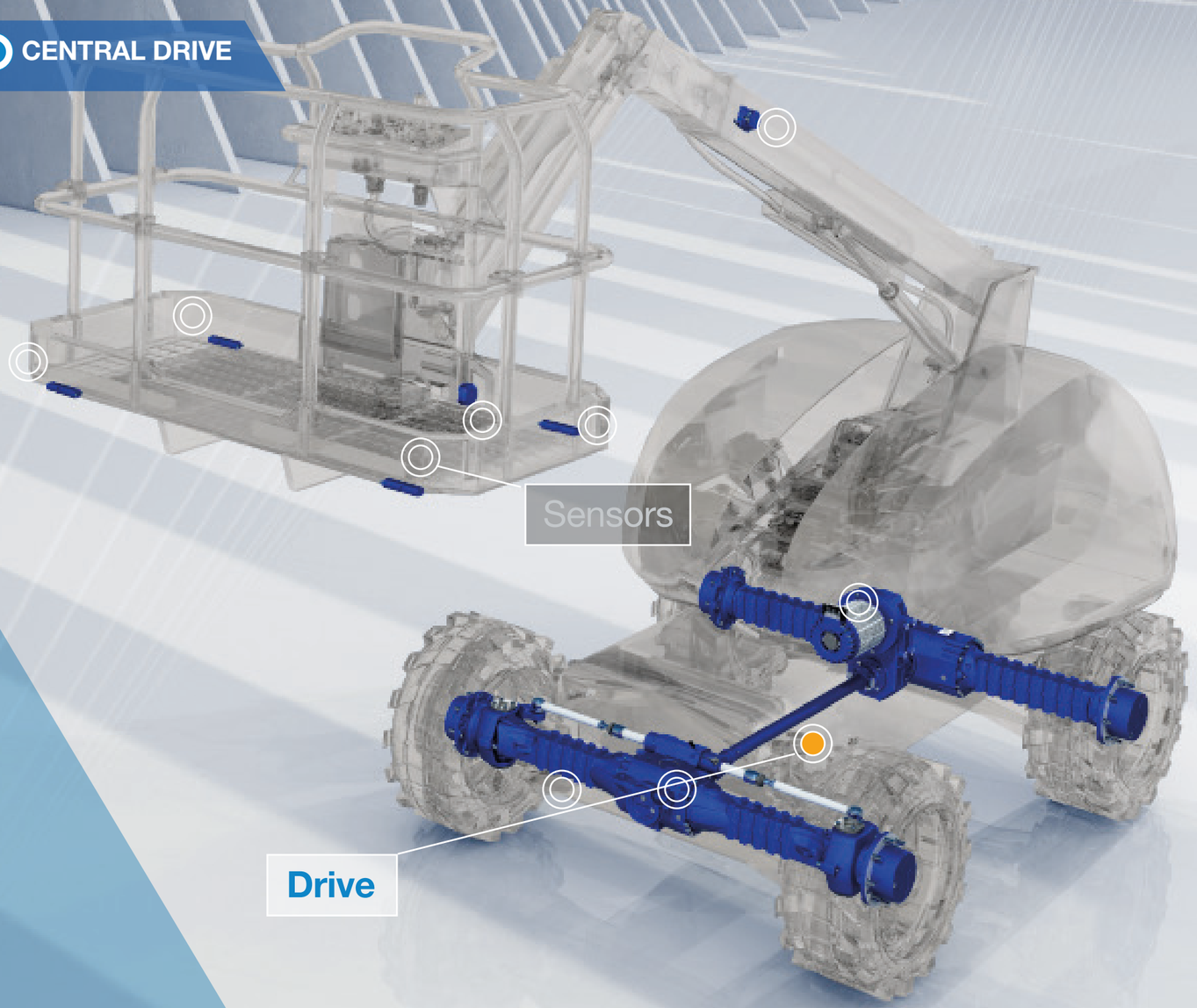
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Key features and benefits

- Extended Spline Life
- Reduced Thrust Load under Pressure
- Lower Friction under Load
- Superior Needle Bearing Retention
- Easy to Service Universal Joints
- Extended or Permanent Lubrication available on request

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series	10 Series



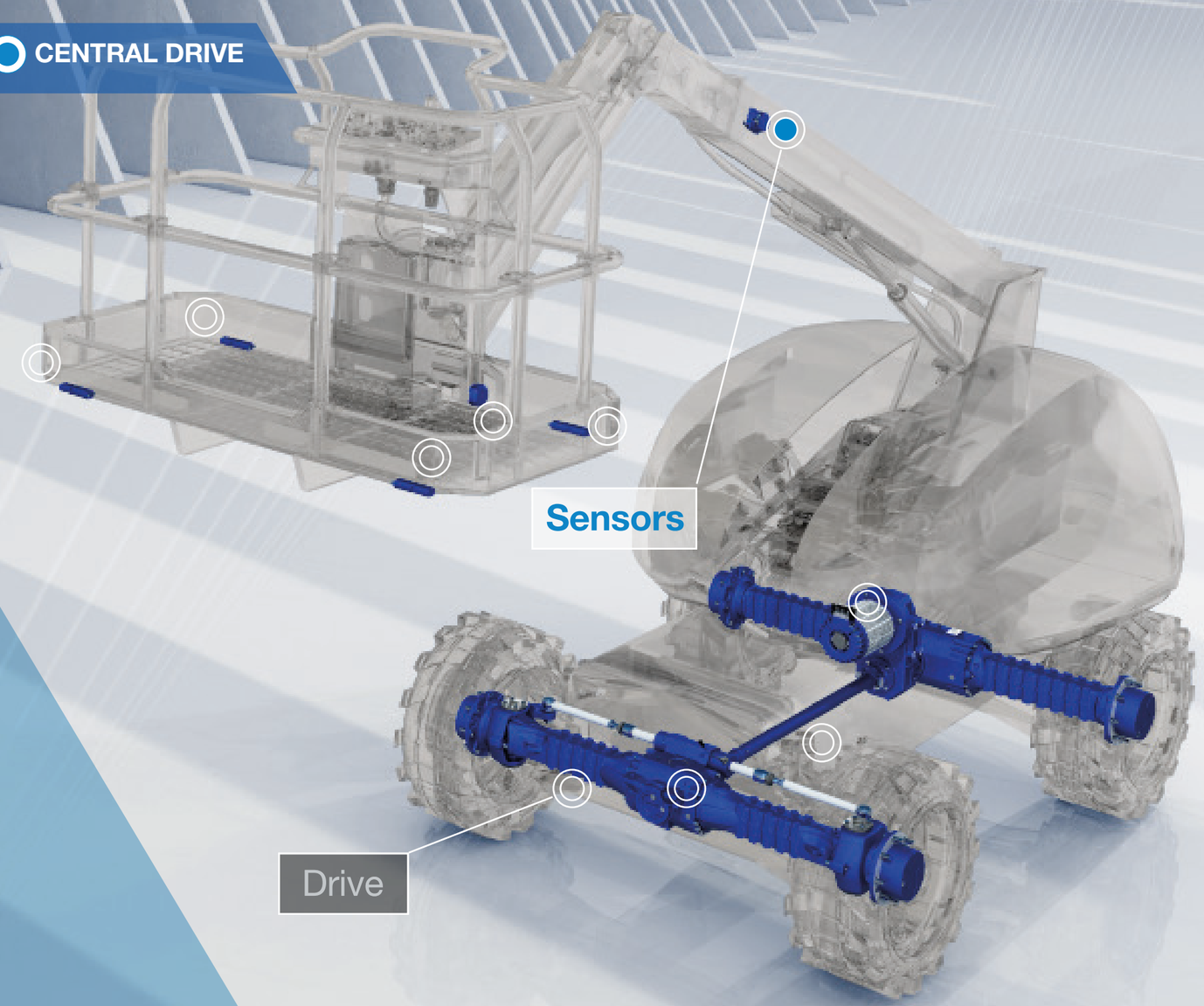
Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

Drive \ Sensors

4 WHEEL DRIVE | **CENTRAL DRIVE**



Brevini™ electronic sensors
Boom Extension Transducer

Key features and benefits

- Waterproof robust and compact body
- 1 or 2 axis integrated inclinometer available
- Dual\redundant outputs available for PLd EN13849 safety systems
- Length up to 12.5 meter

Articulated Boom

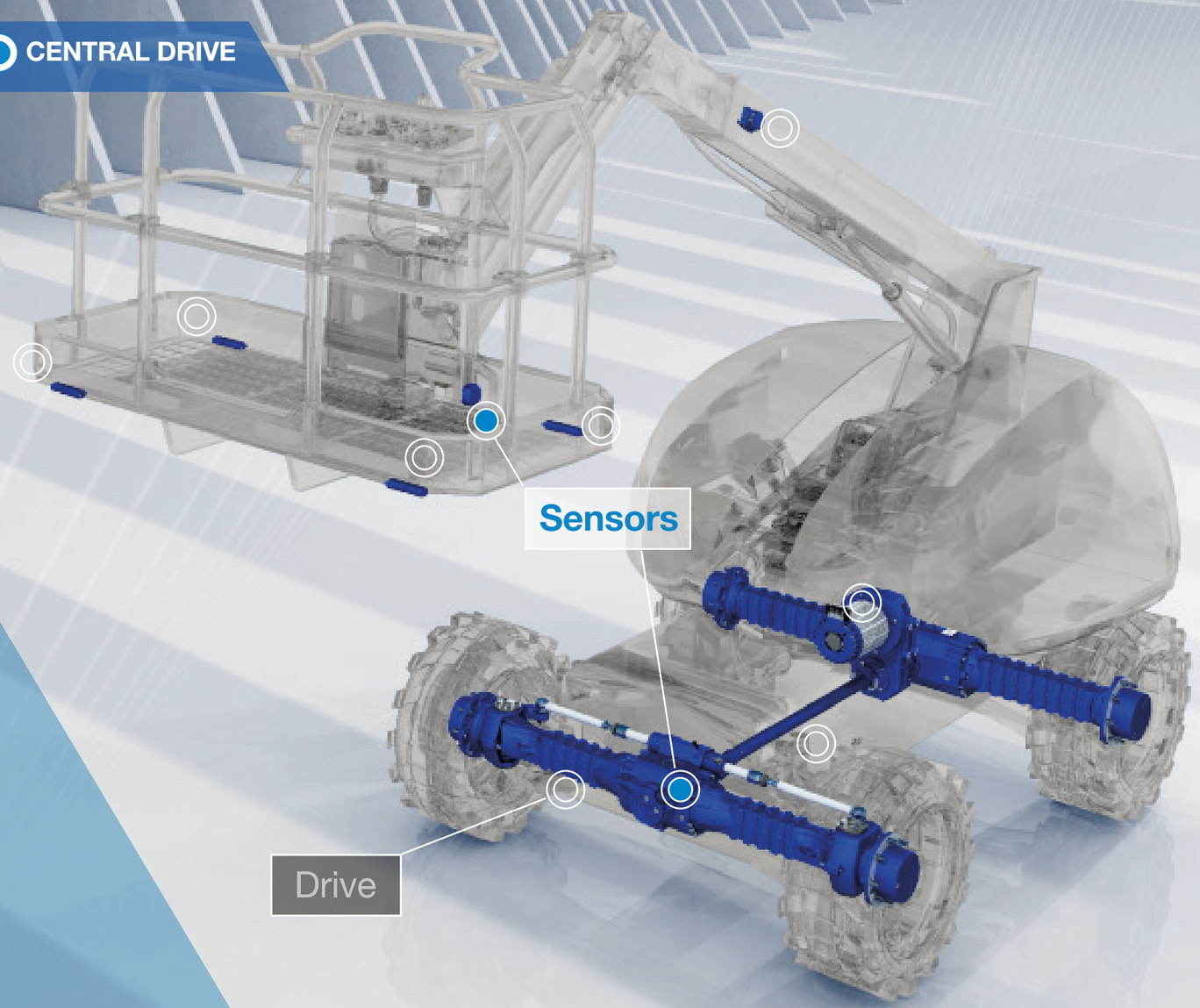
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer



Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

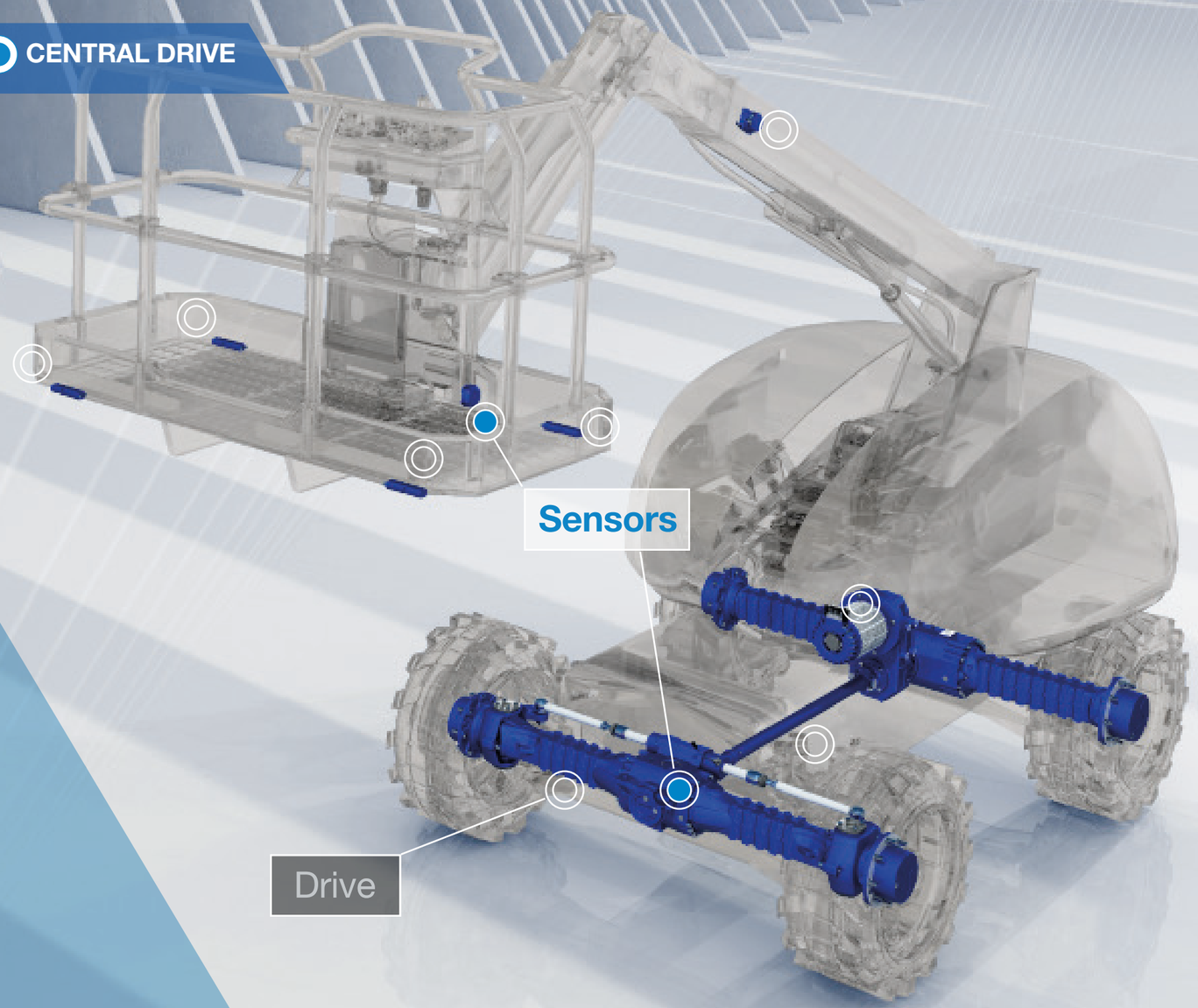
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand



Articulated Boom

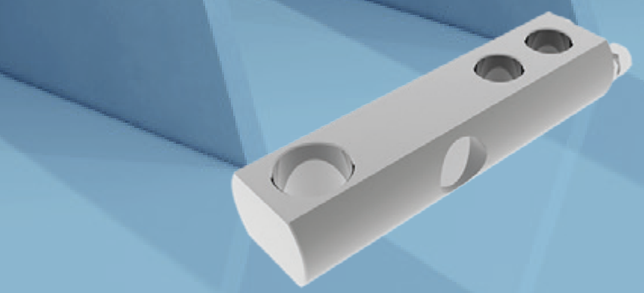
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | **CENTRAL DRIVE**

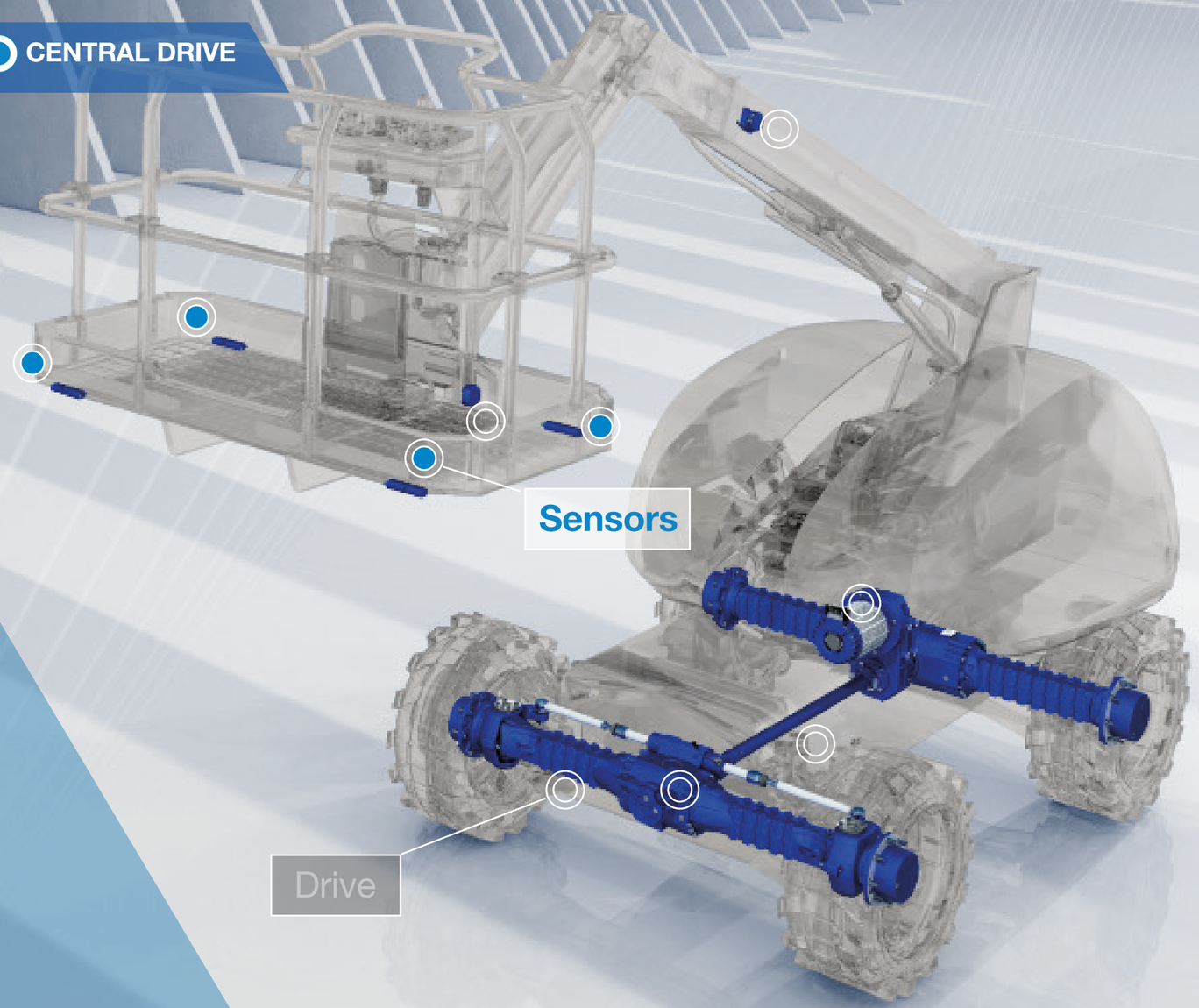
Drive \ Sensors

Brevini™ electronic sensors
Load Sensor



Key features and benefits

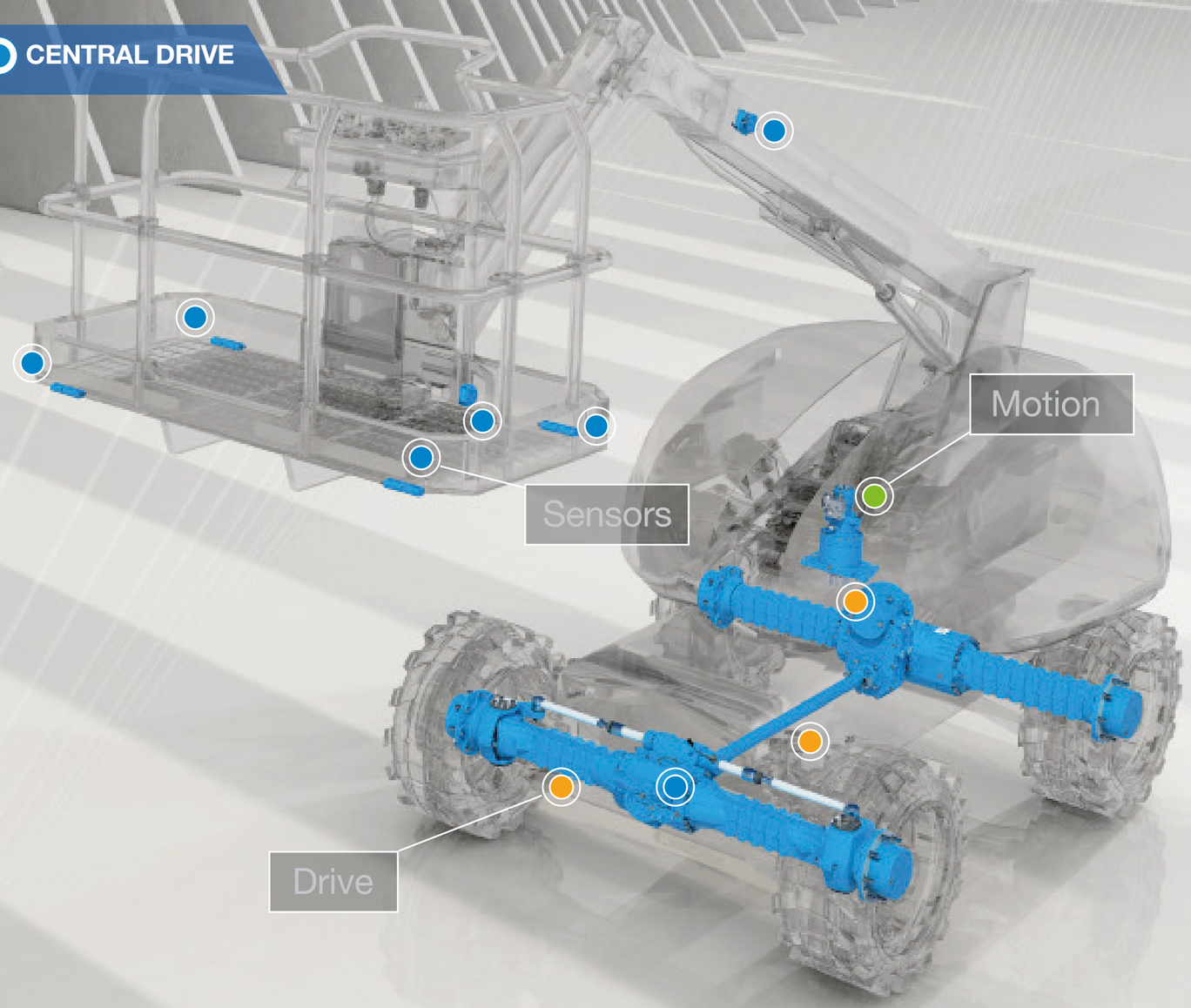
- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified | 4 WHEEL DRIVE | **CENTRAL DRIVE**



A hydraulic system solution
for drive and motion, combined
with electronic sensors,
for greater efficiency and performance.

Articulated Boom

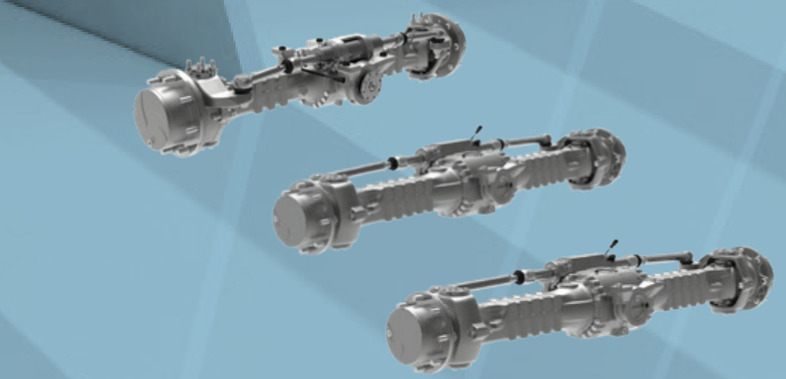
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

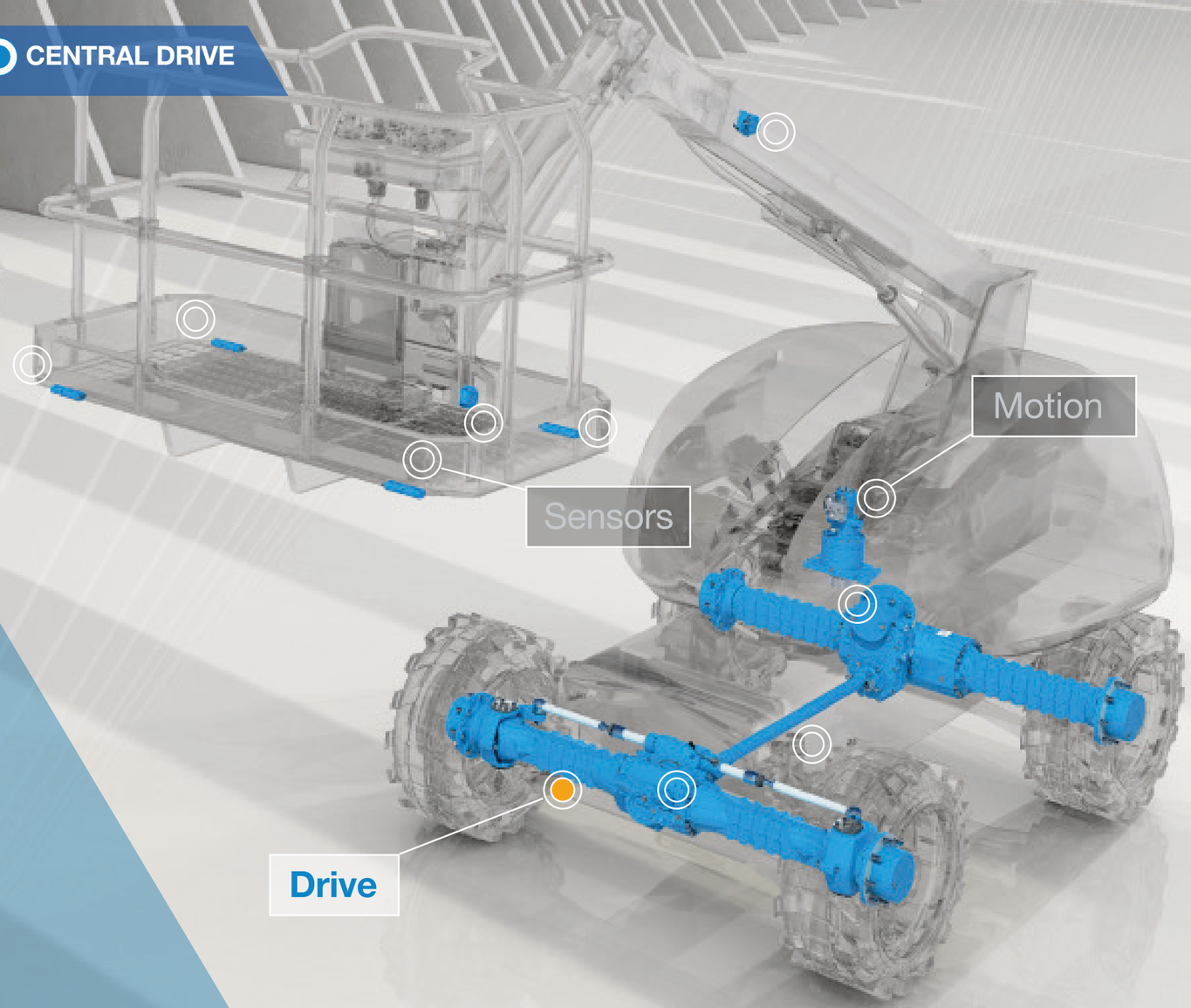
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Spicer™
Front axle 211, 212, 212HD



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Front axle	211	212	212HD



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

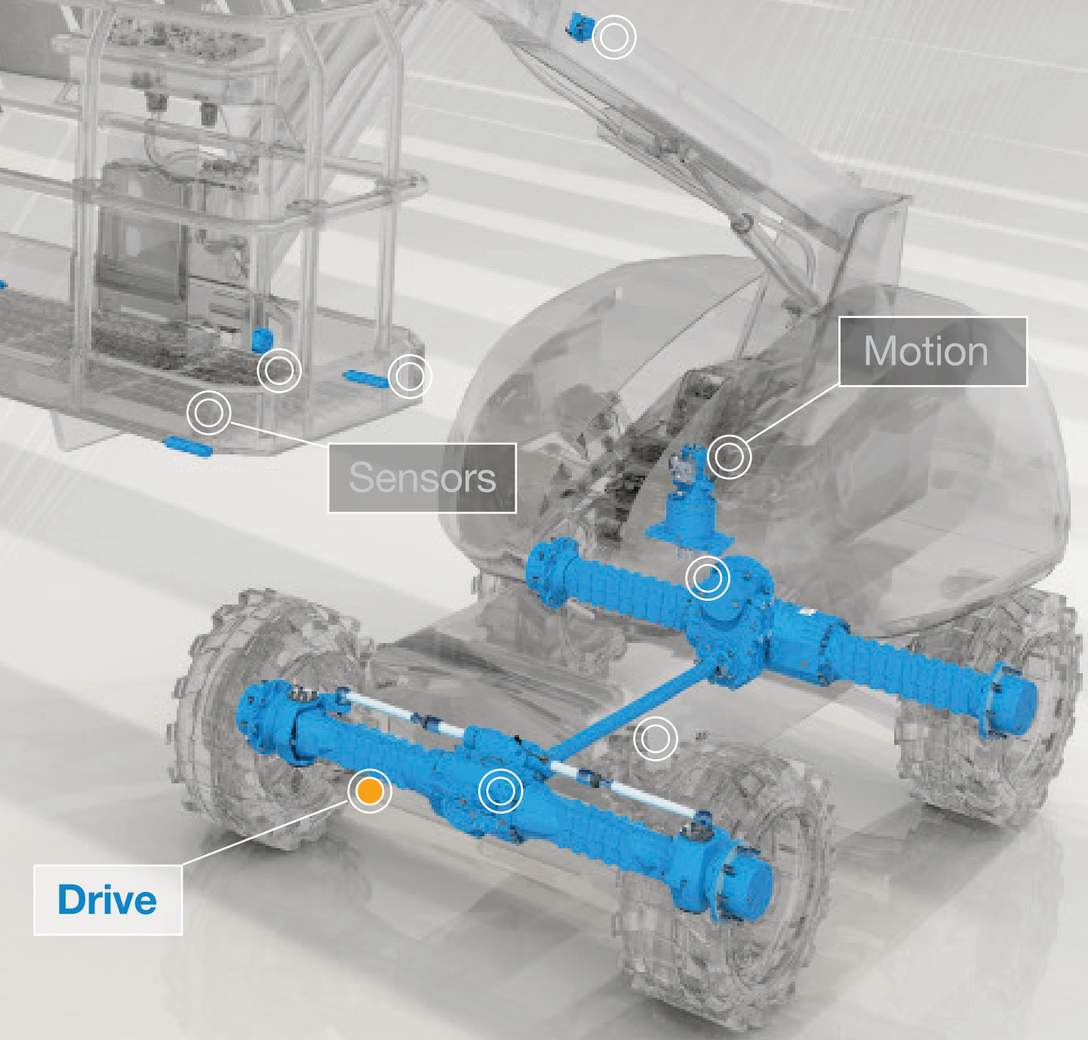
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Key features and benefits

- Planetary steering axle
- High driveline efficiency
- Minimal impact on vehicle frame
- Easy, low-cost service, and maintenance
- Different hub reduction sizes

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Front axle	211	212	212HD



Articulated Boom

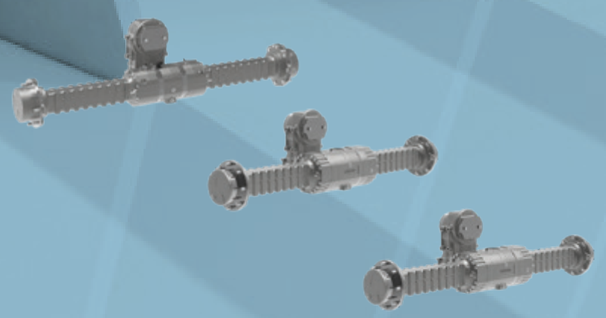
Telescopic Boom | Slab Scissor | RT Scissor

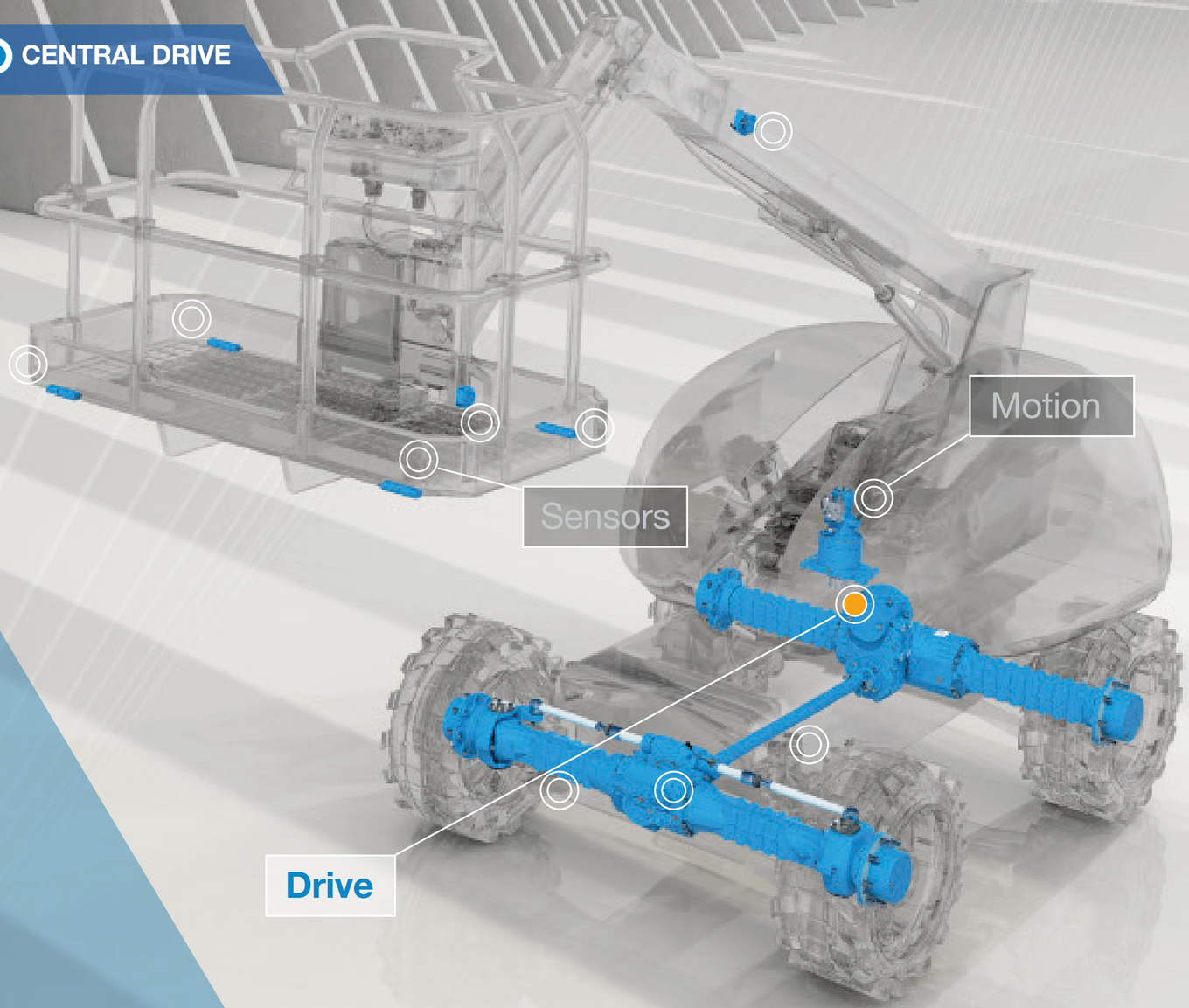
Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Spicer™ Rear axle 111, 112, 112HD with Spicer™ 301 Dropbox and Hydraulic Motor





Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Rear axle	211	212	212HD
Dropbox	301	301	301

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

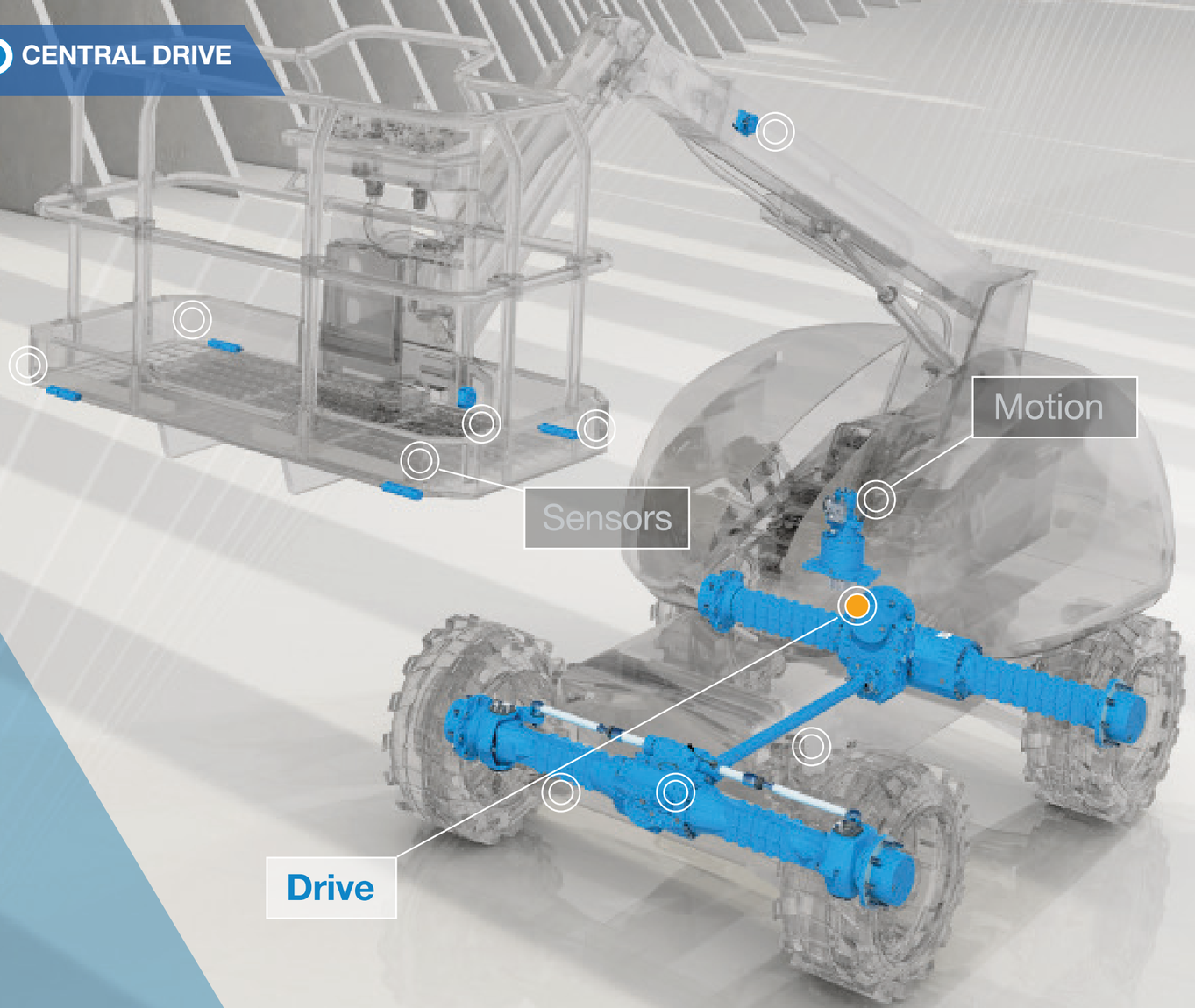
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Key features and benefits

- Planetary rigid axles, based on modular axle, driven by hydraulic motor
- Available in a variety of configurations and ratios
- Single speed dropbox directly flanged to Spicer™ axles, designed to enhance vehicle mobility and allow for quick deployment from worksite to worksite
- Optimized NVH and efficiency

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Rear axle	211	212	212HD
Dropbox	301	301	301



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

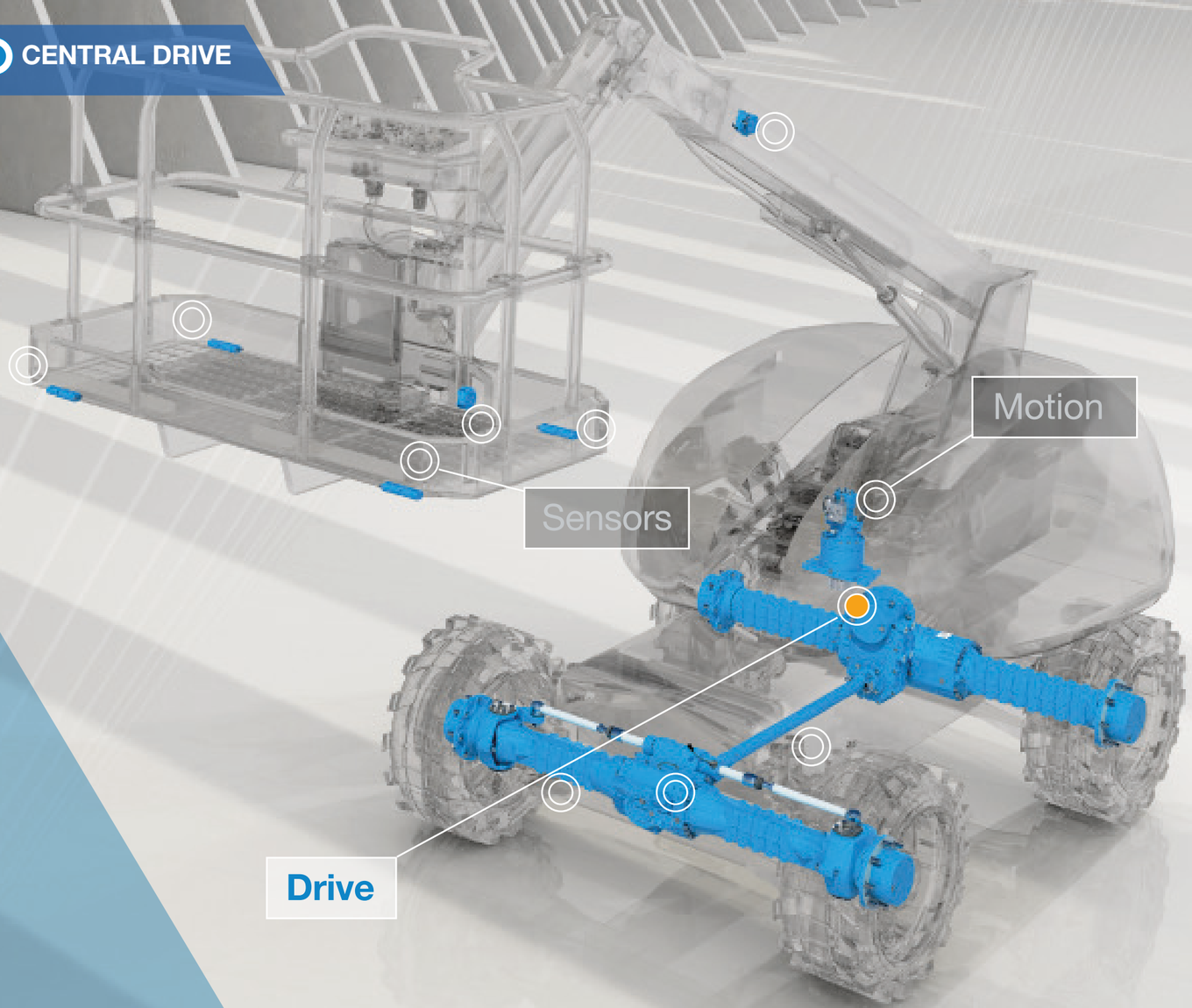
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Key features and benefits

- Four-wheel drive engagement
- Optional electromagnetic spring applied parking brake

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Rear axle	211	212	212HD
Dropbox	301	301	301



Articulated Boom

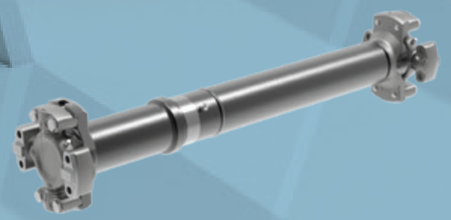
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

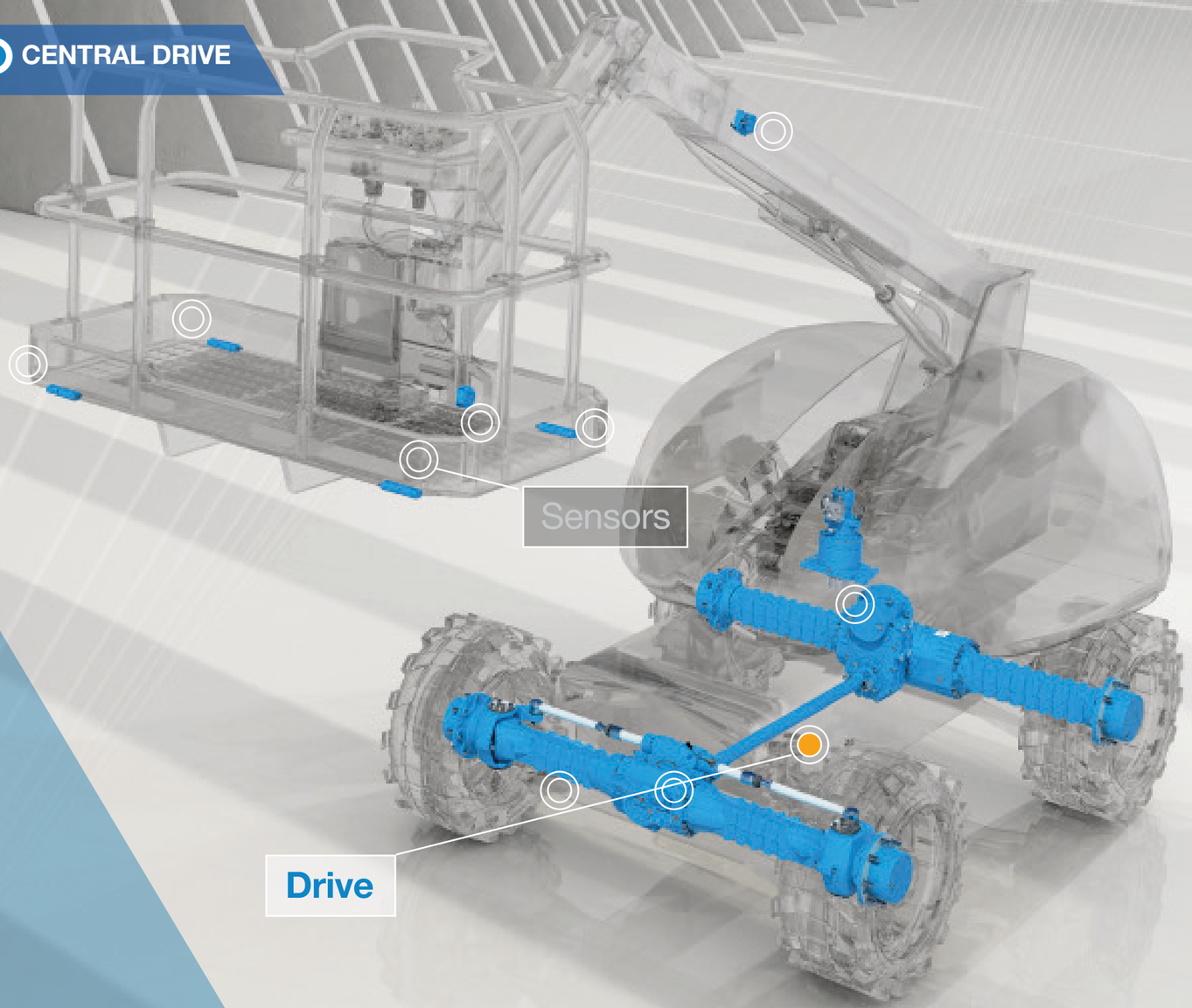
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Spicer™ Driveshaft 10 Series



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series	10 Series



Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

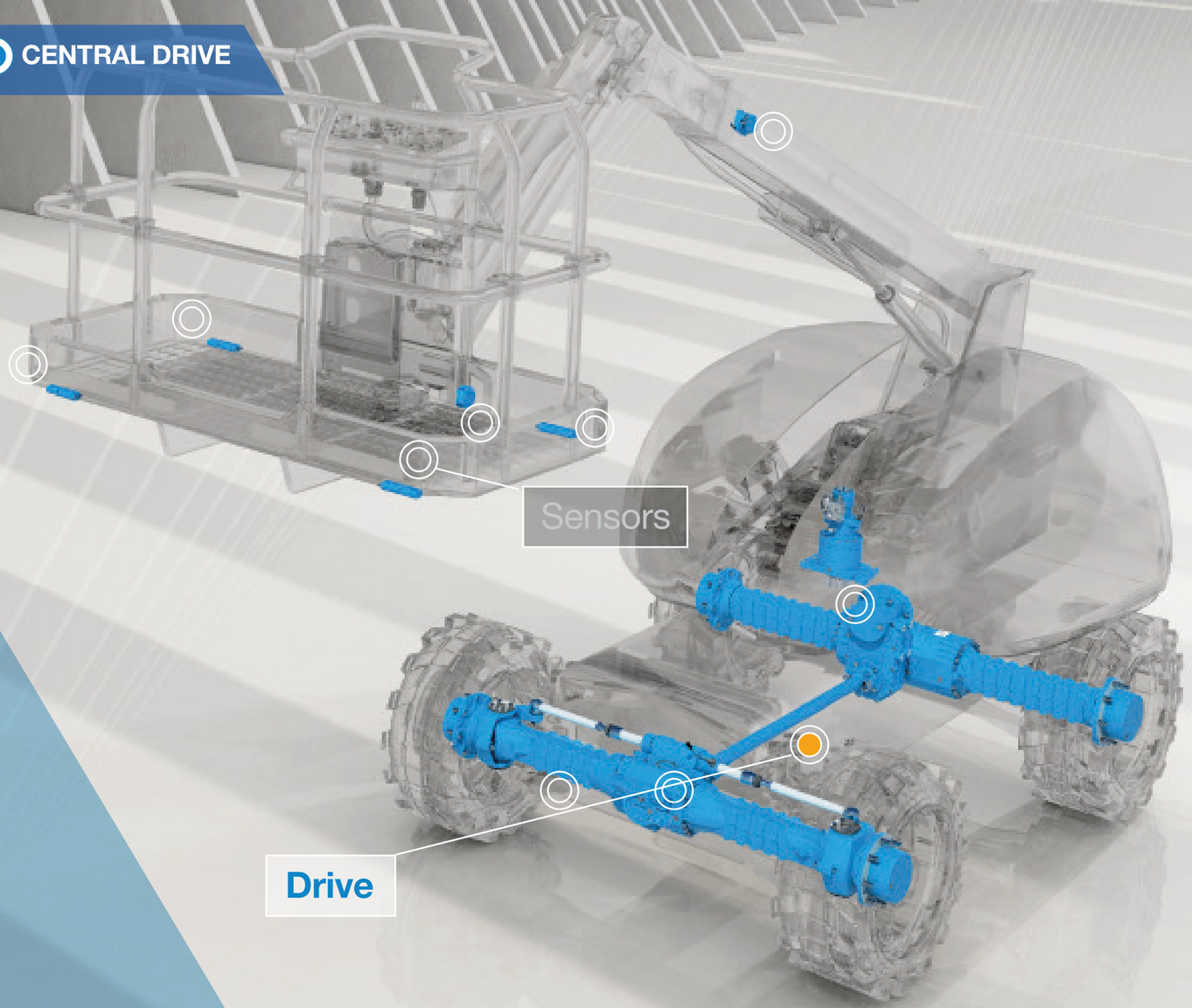
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Key features and benefits

- Extended Spline Life
- Reduced Thrust Load under Pressure
- Lower Friction under Load
- Superior Needle Bearing Retention
- Easy to Service Universal Joints
- Extended or Permanent Lubrication available on request

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series	10 Series



Articulated Boom

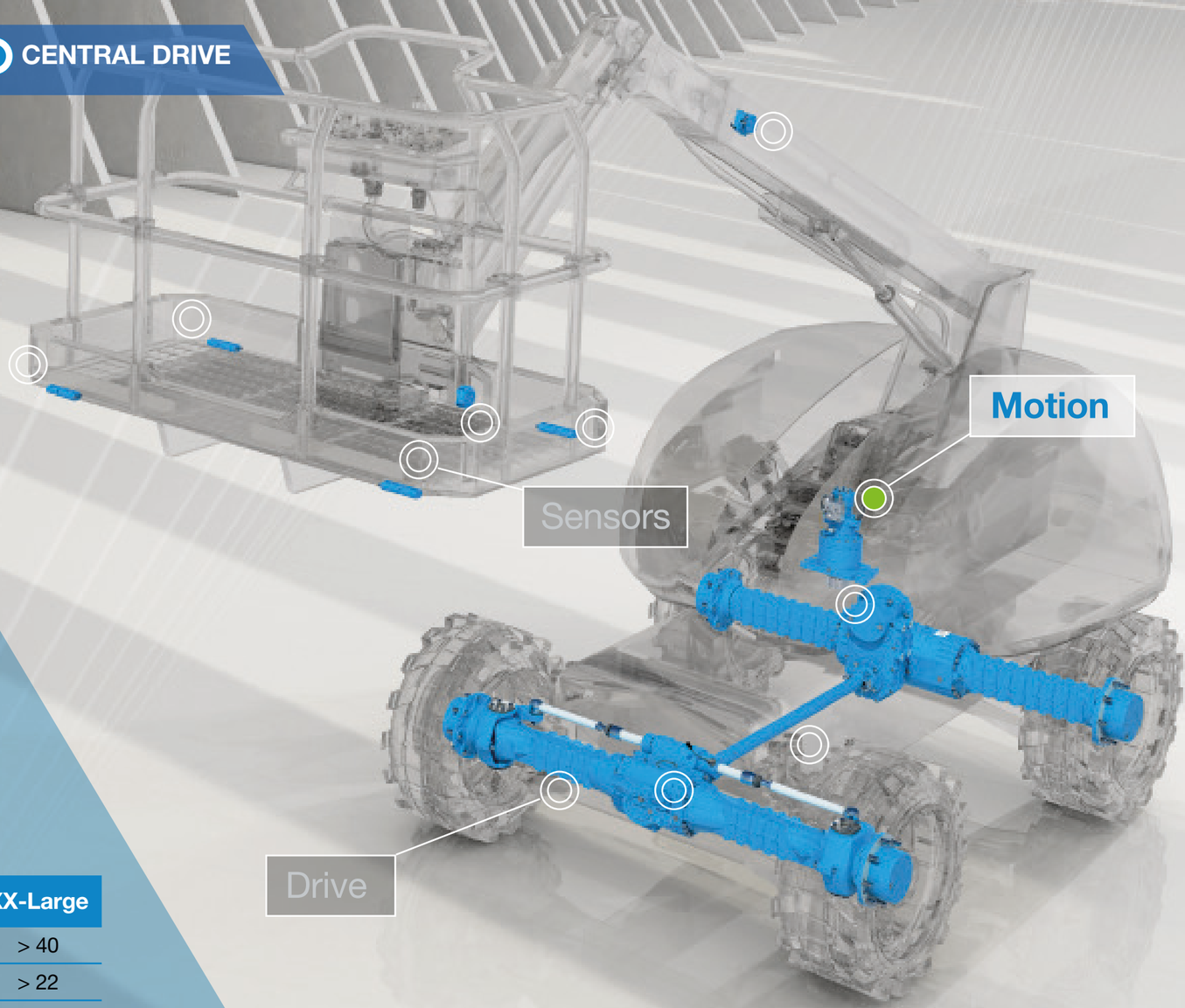
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Brevini™ Slew Drive P Series with Brevini™ Orbital Motor



Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A

Articulated Boom

Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

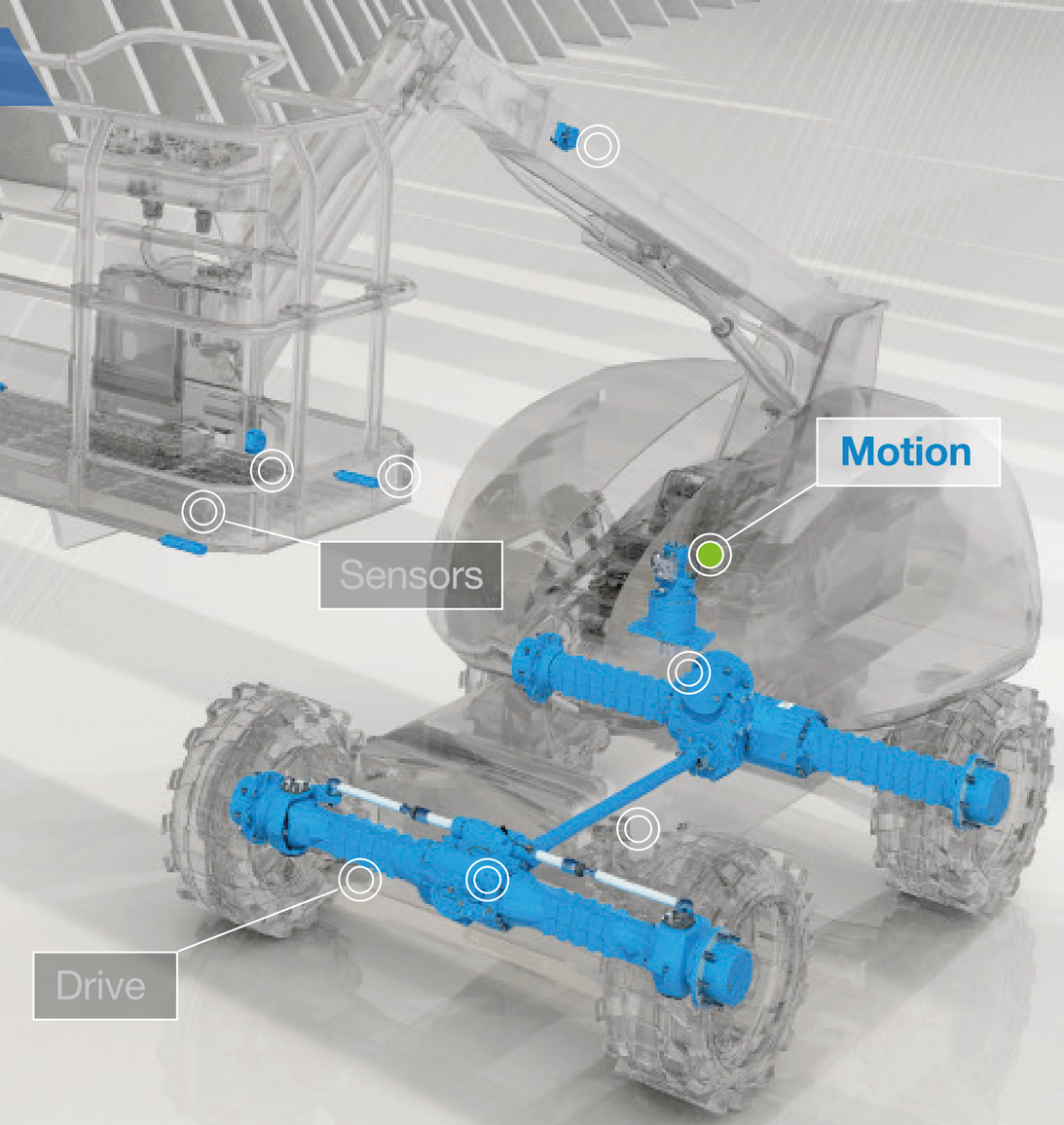
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Key features and benefits

- Complete solution with hydraulic orbital motor offering all-in-one solution for slew drives
- Plug and play assembly complete with lifting lugs
- 2-stage reduction with multiple ratios available
- Many pinion options available, custom pinion upon request

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A



Articulated Boom

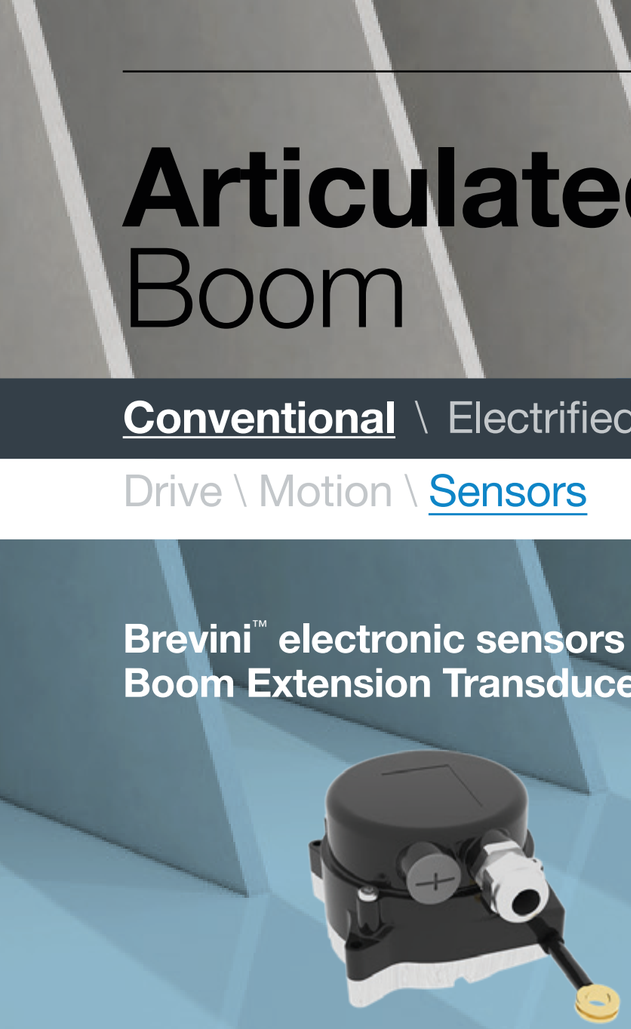
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

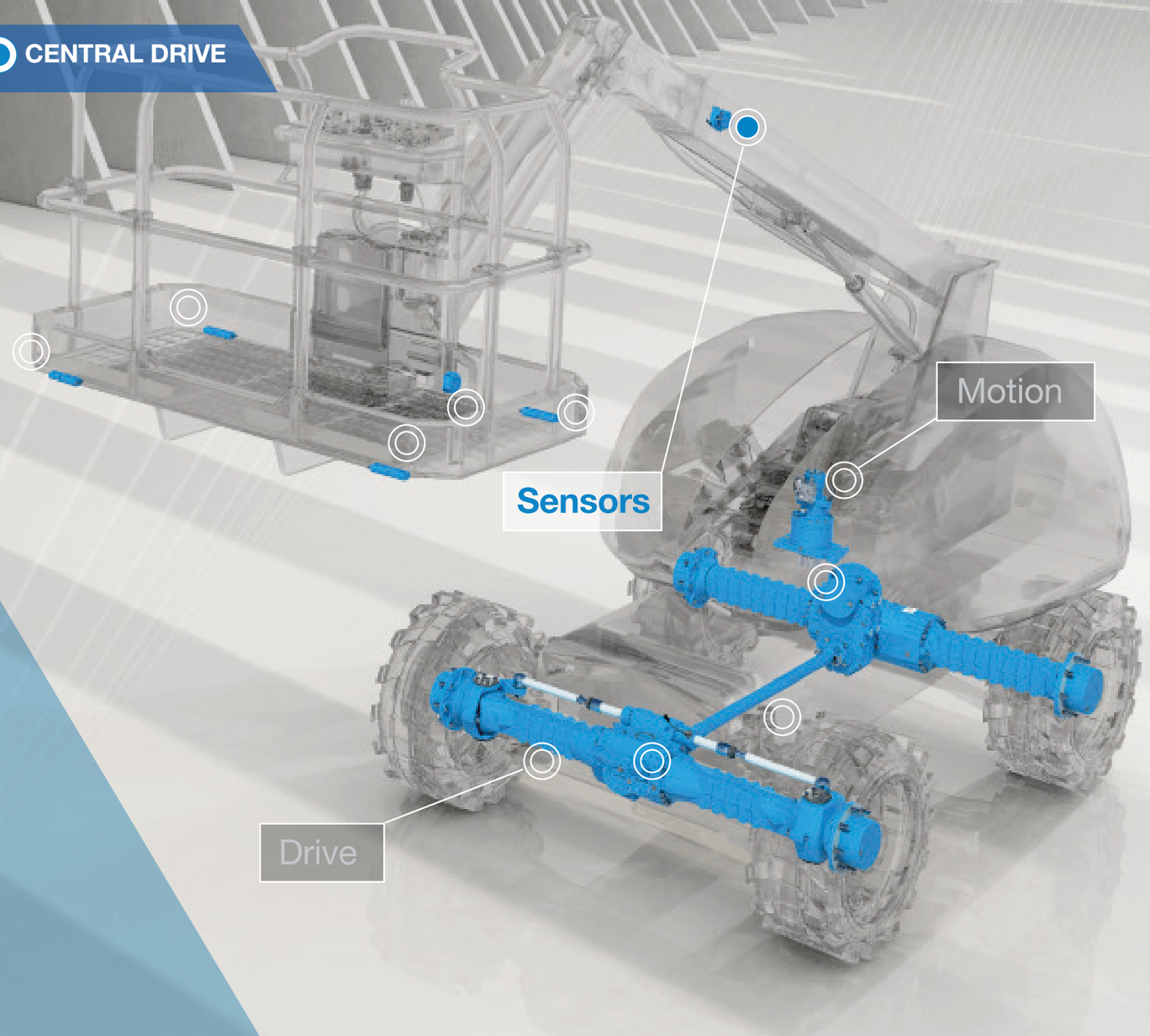
Drive \ Motion \ Sensors

Brevini™ electronic sensors
Boom Extension Transducer



Key features and benefits

- Waterproof robust and compact body
- 1 or 2 axis integrated inclinometer available
- Dual\redundant outputs available for PLd EN13849 safety systems
- Length up to 12.5 meter



Articulated Boom

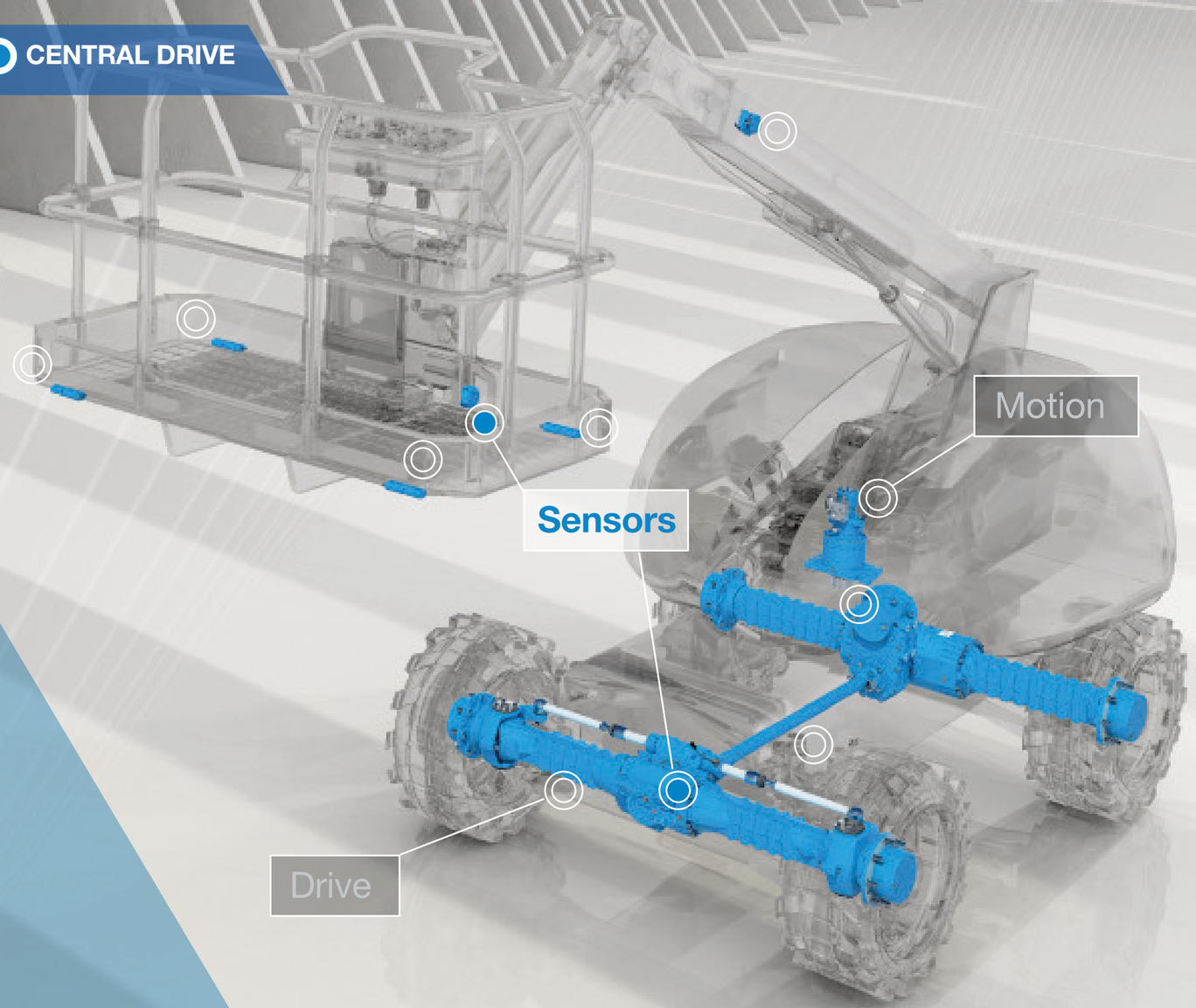
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Brevini™ electronic sensors
Digital Inclinometer



Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available

Articulated Boom

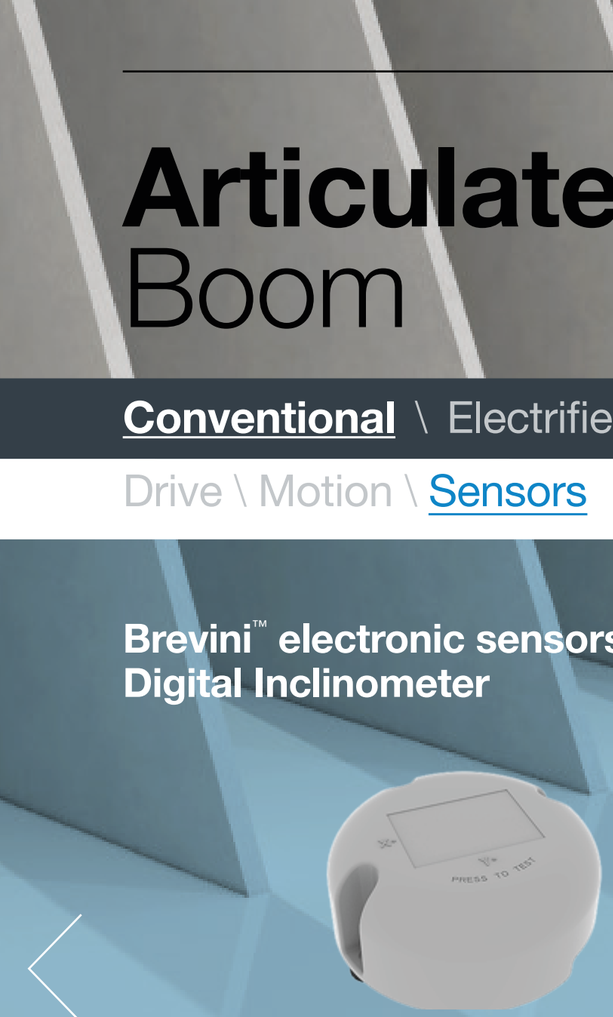
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

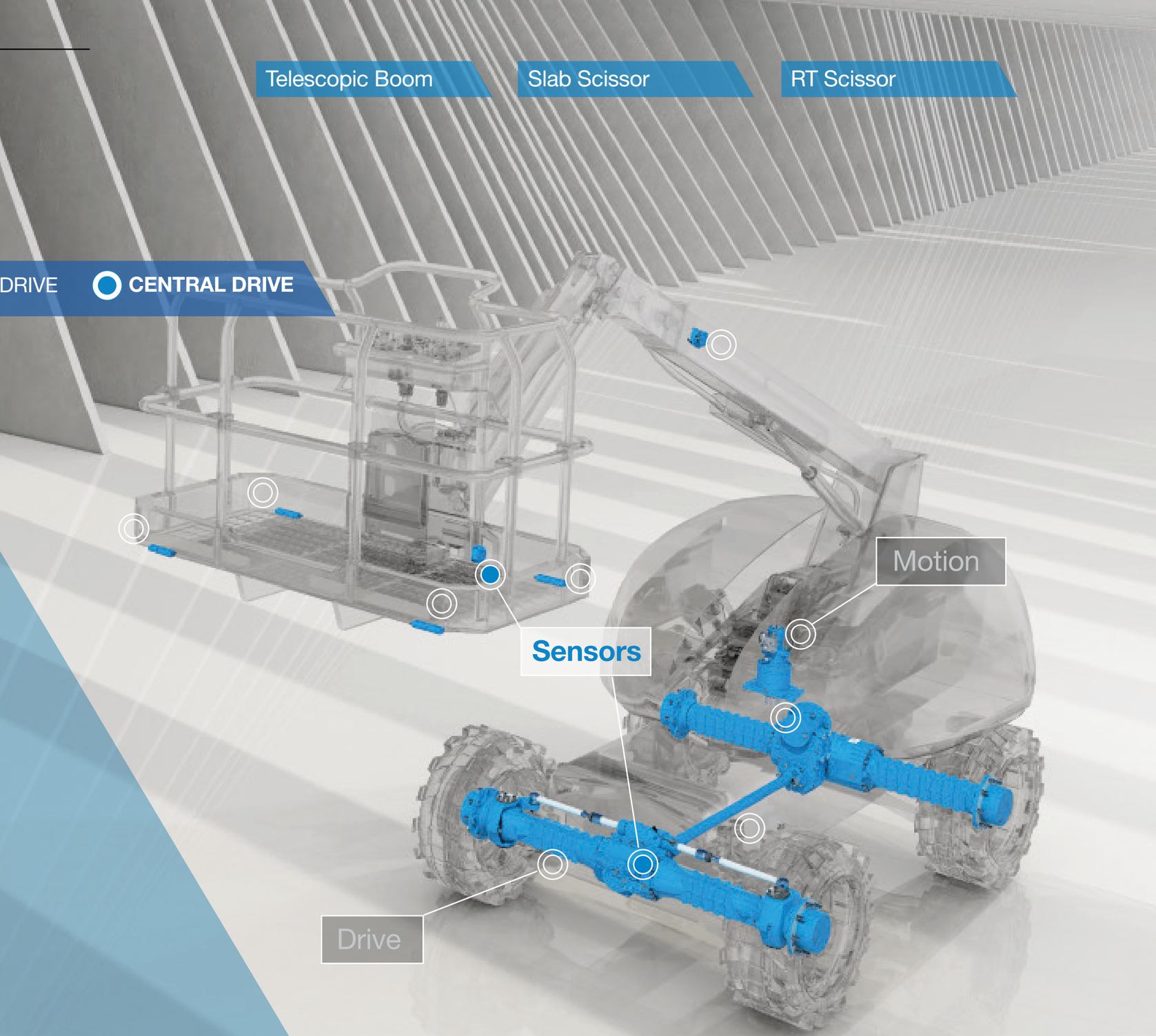
Drive \ Motion \ Sensors

Brevini™ electronic sensors
Digital Inclinometer



Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand



Articulated Boom

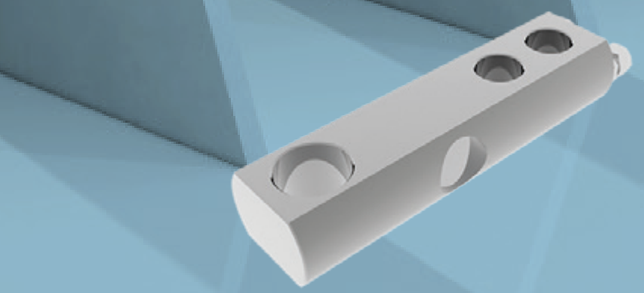
Telescopic Boom | Slab Scissor | RT Scissor

Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

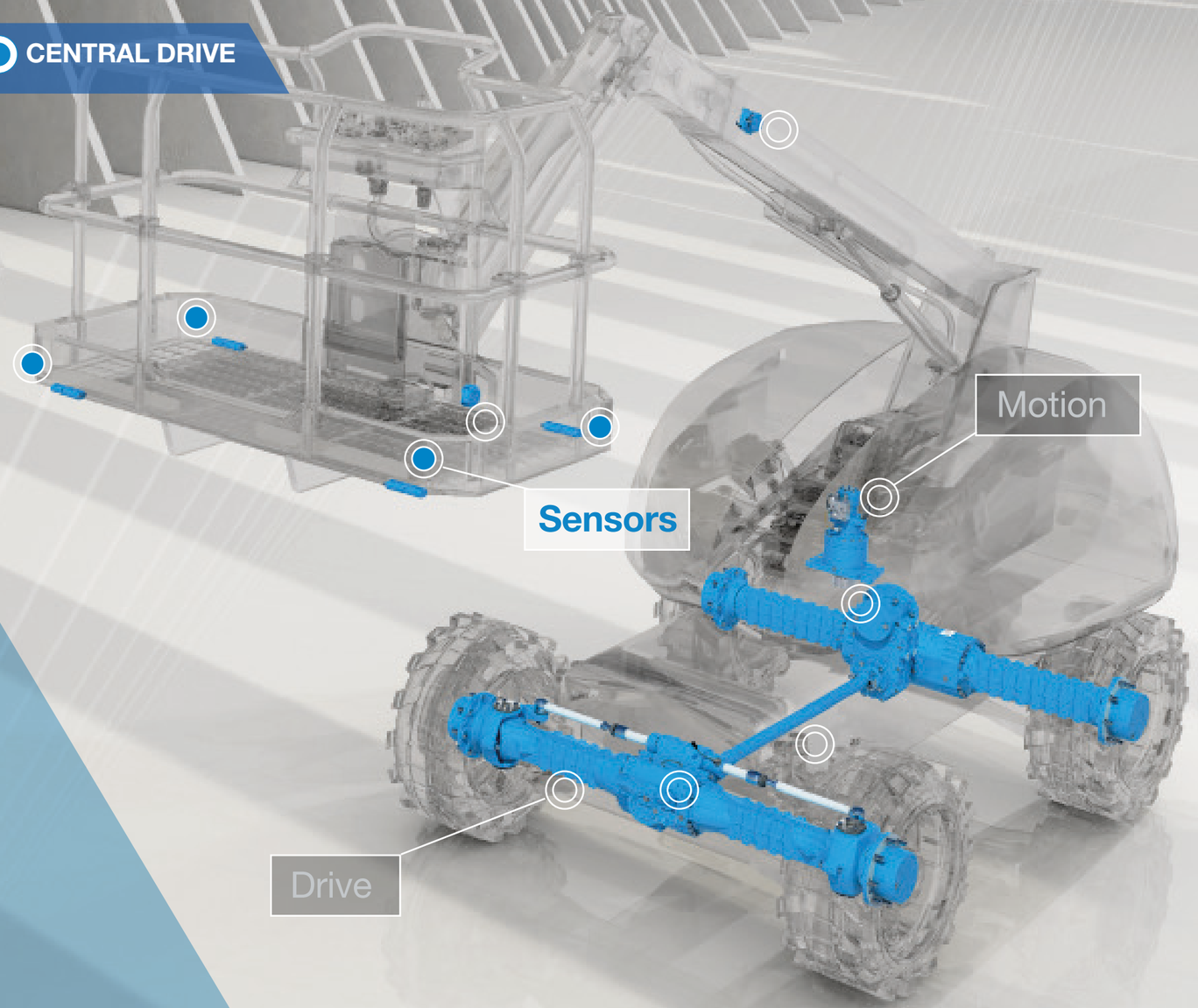
Drive \ Motion \ Sensors

Brevini™ electronic sensors
Load Sensor



Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available



Telescopic Boom

Conventional \ **Electrified**

Articulated Boom | Slab Scissor | RT Scissor

4 Wheel

Propelling machines with two or four individual compact wheel drives that combine Spicer Torque-Hub™ planetary gearboxes with electric motors to provide optimum traction control when working on a job site.

Discover

Central

By combining Spicer™ axles and centralized high efficiency gearboxes with electric motors. Our axle solutions can deliver the tractive effort required while maintaining axle supported machine designs.

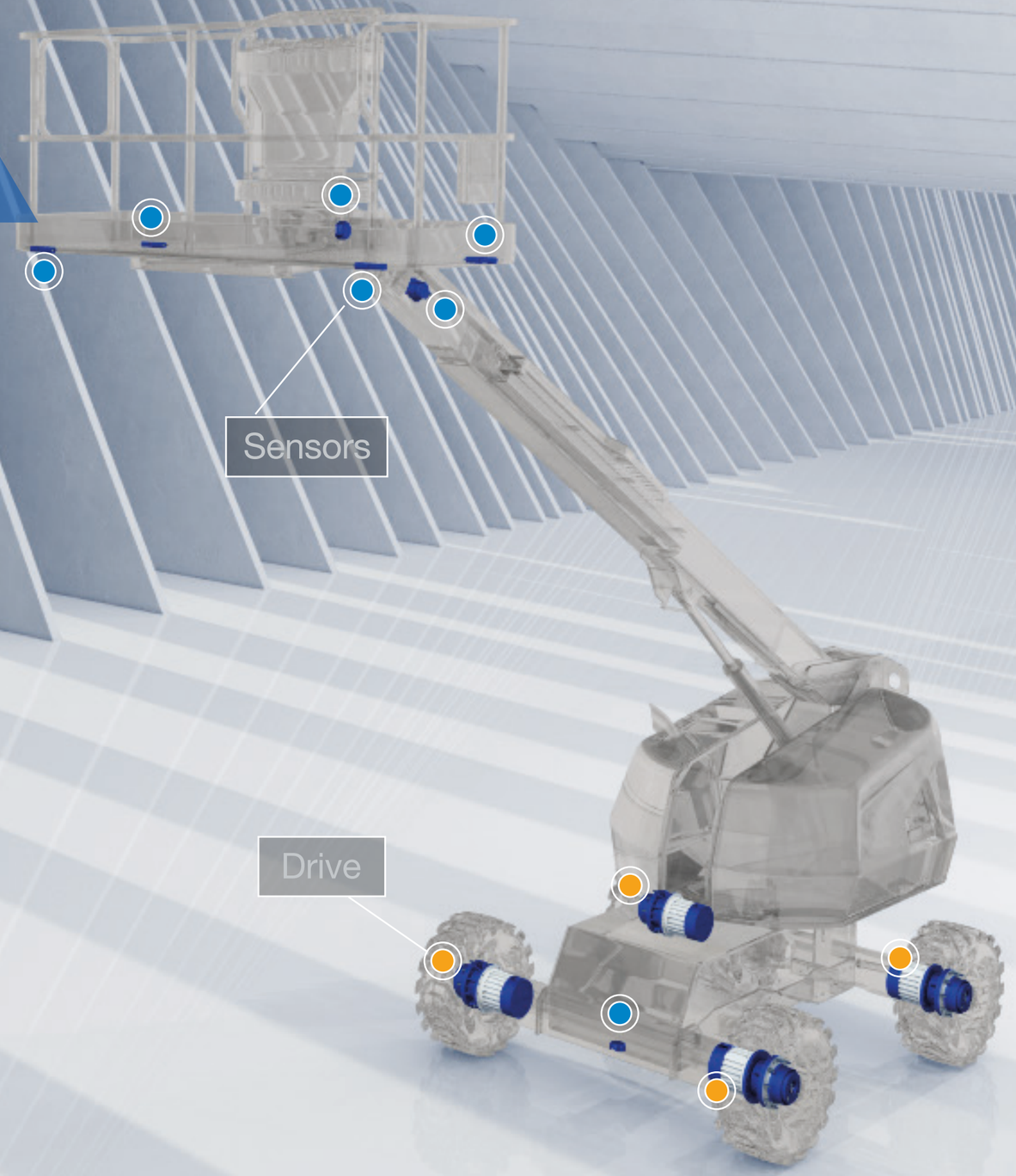
Discover

Telescopic
Boom

Conventional \ **Electrified**

4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Slab Scissor | RT Scissor



An electro-mechanical
system solution for drive,
with electronic sensors,
for greater efficiency with less size
and weight and long-life performance.

Telescopic Boom

Conventional \ **Electrified**

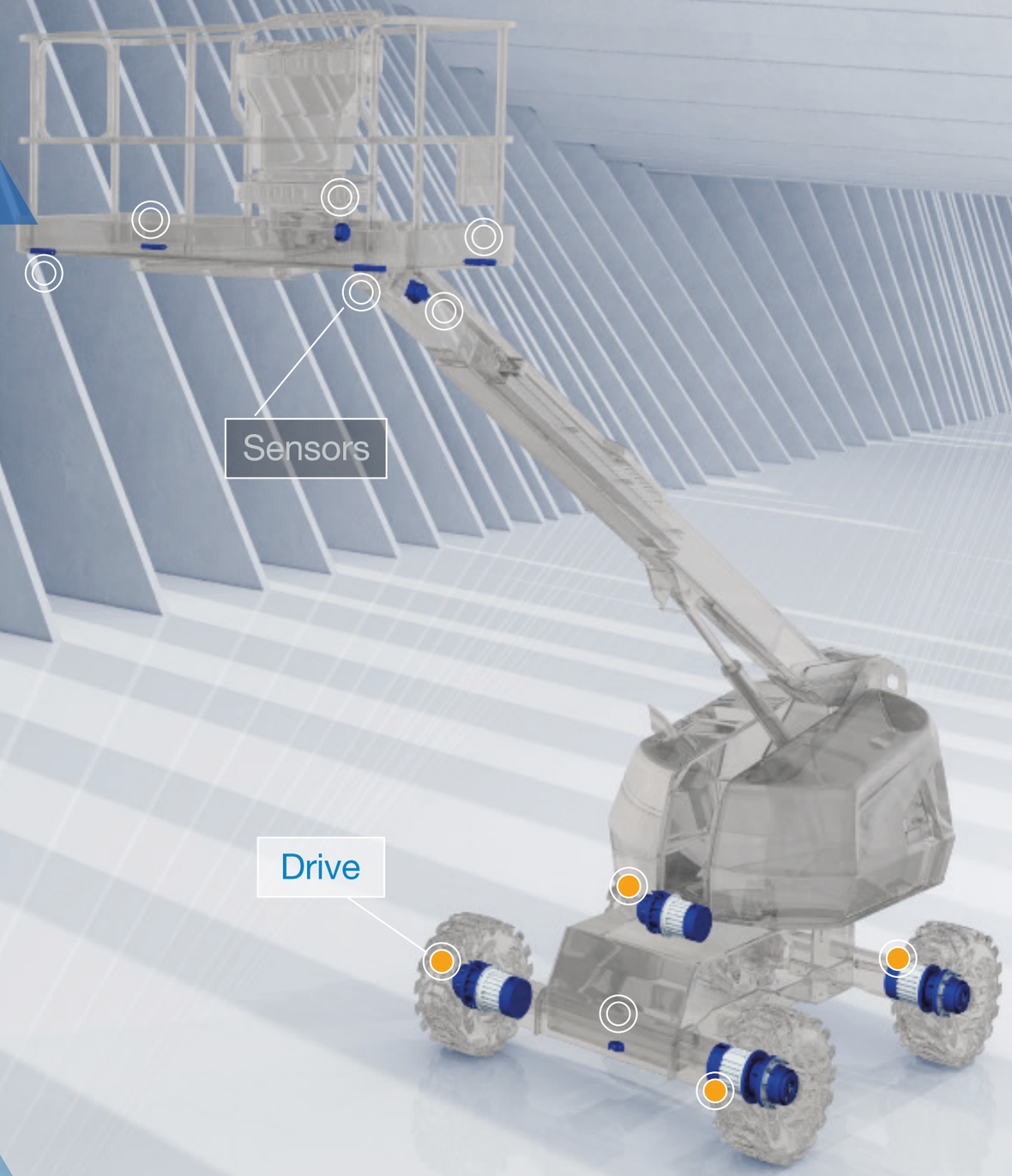
4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Sensors

Spicer Electrified™
e-Drive Torque Hub eSAW Series

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
e-Drive Torque Hub	eSAW04	eSAW07	eSAW13	eSAW13	eSAW17

Articulated Boom | Slab Scissor | RT Scissor



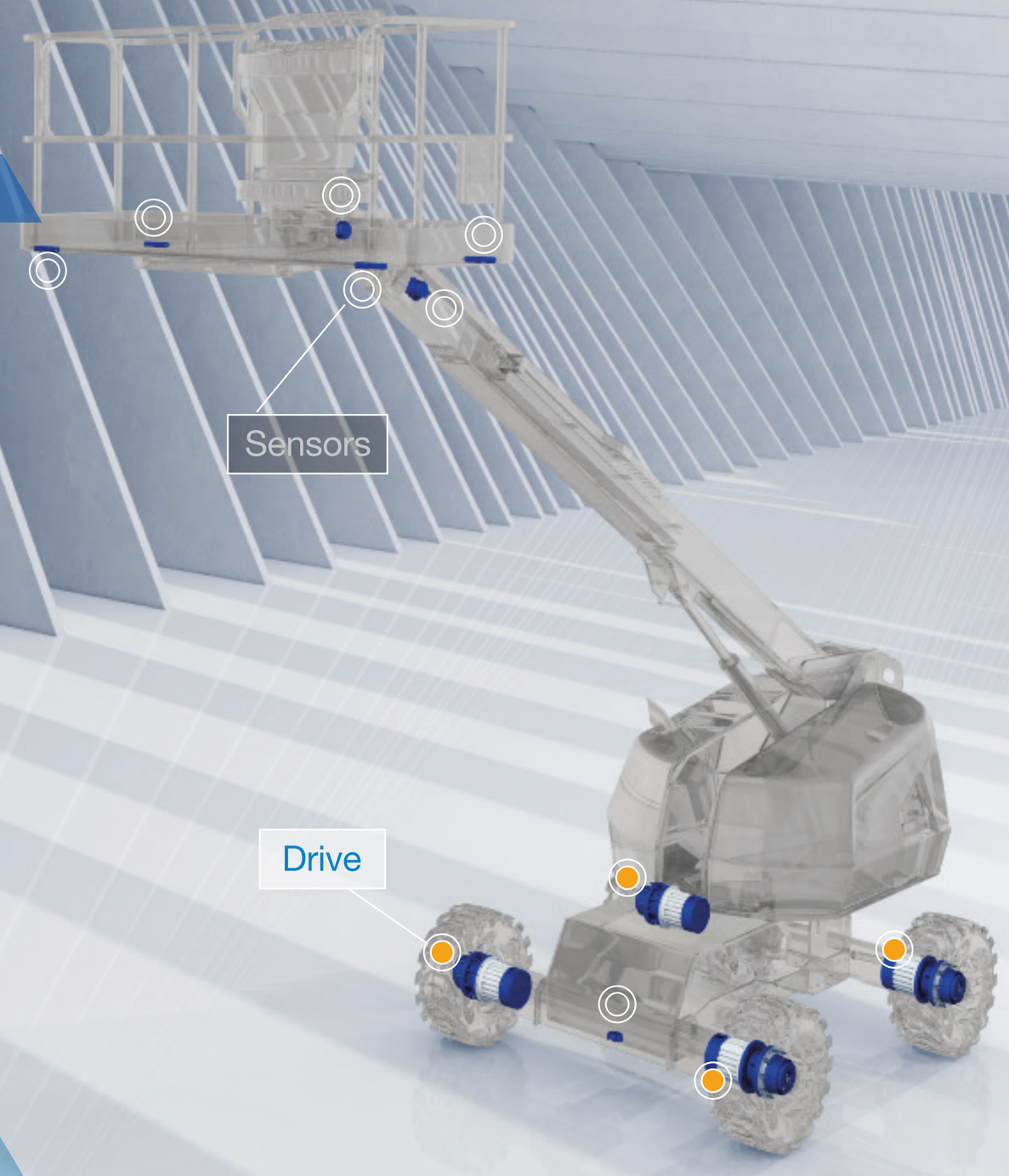
Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Sensors

Articulated Boom | Slab Scissor | RT Scissor



Key features and benefits

- 4 sizes with torque outputs from 4kNm to 17kNm engineered to fulfill industry targets for performance, serviceability and durability
- Improves the performance of e-boom lifts with hybrid and fully electric drive systems
- Fully integrated electro-mechanical system
- Internal integrated electric parking brake design for maximum holding power

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
e-Drive Torque Hub	eSAW04	eSAW07	eSAW13	eSAW13	eSAW17

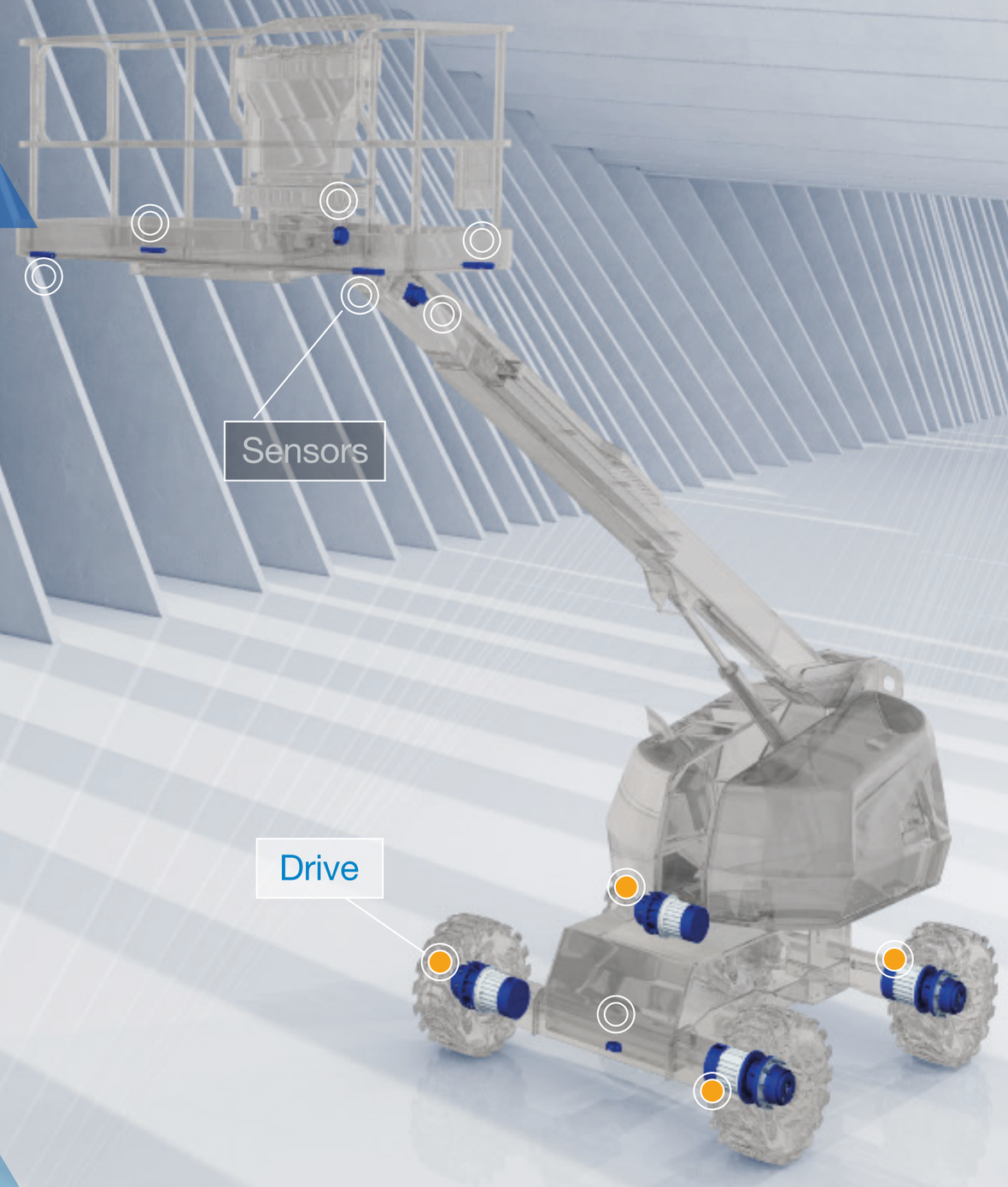
Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Sensors

Articulated Boom | Slab Scissor | RT Scissor



Key features and benefits

- IPM and ACIM Integrated advanced e-motor technologies for greater efficiency with compact size and weight
- Compact three-stage planetary gear design provides superior gradeability
- IP67 motor protection from environmental hazards
- Integrated motor options for design flexibility

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
e-Drive Torque Hub	eSAW04	eSAW07	eSAW13	eSAW13	eSAW17

Telescopic Boom

Conventional \ **Electrified**

Drive \ Sensors

4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Slab Scissor | RT Scissor

Brevini™ electronic sensors
Boom Extension Transducer

Key features and benefits

- Waterproof robust and compact body
- 1 or 2 axis integrated inclinometer available
- Dual\redundant outputs available for PLd EN13849 safety systems
- Length up to 12.5 meter

Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE CENTRAL DRIVE

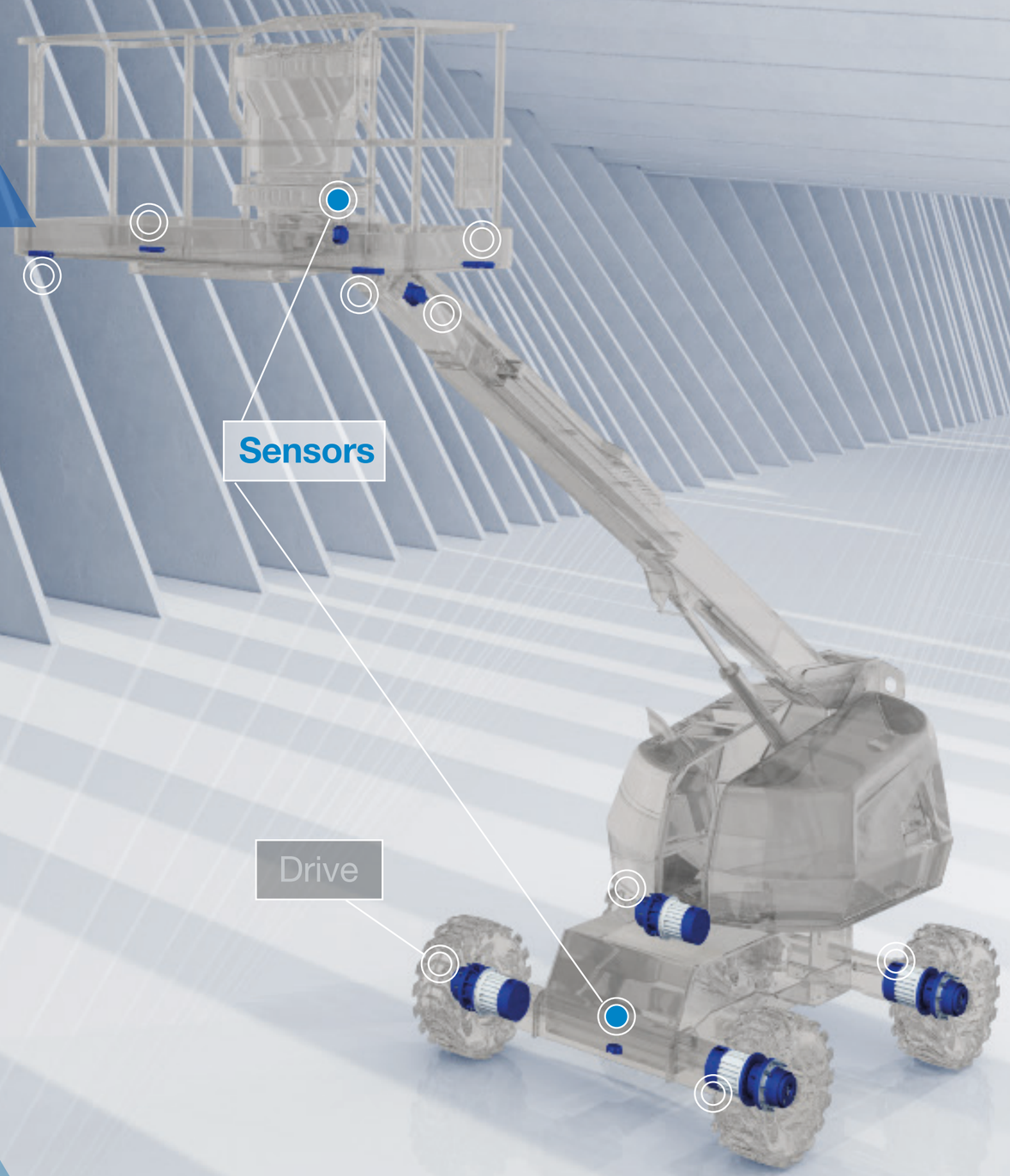
Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available

Articulated Boom | Slab Scissor | RT Scissor



Telescopic Boom

Conventional \ **Electrified**

Drive \ Sensors

4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Slab Scissor | RT Scissor

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand

Telescopic Boom

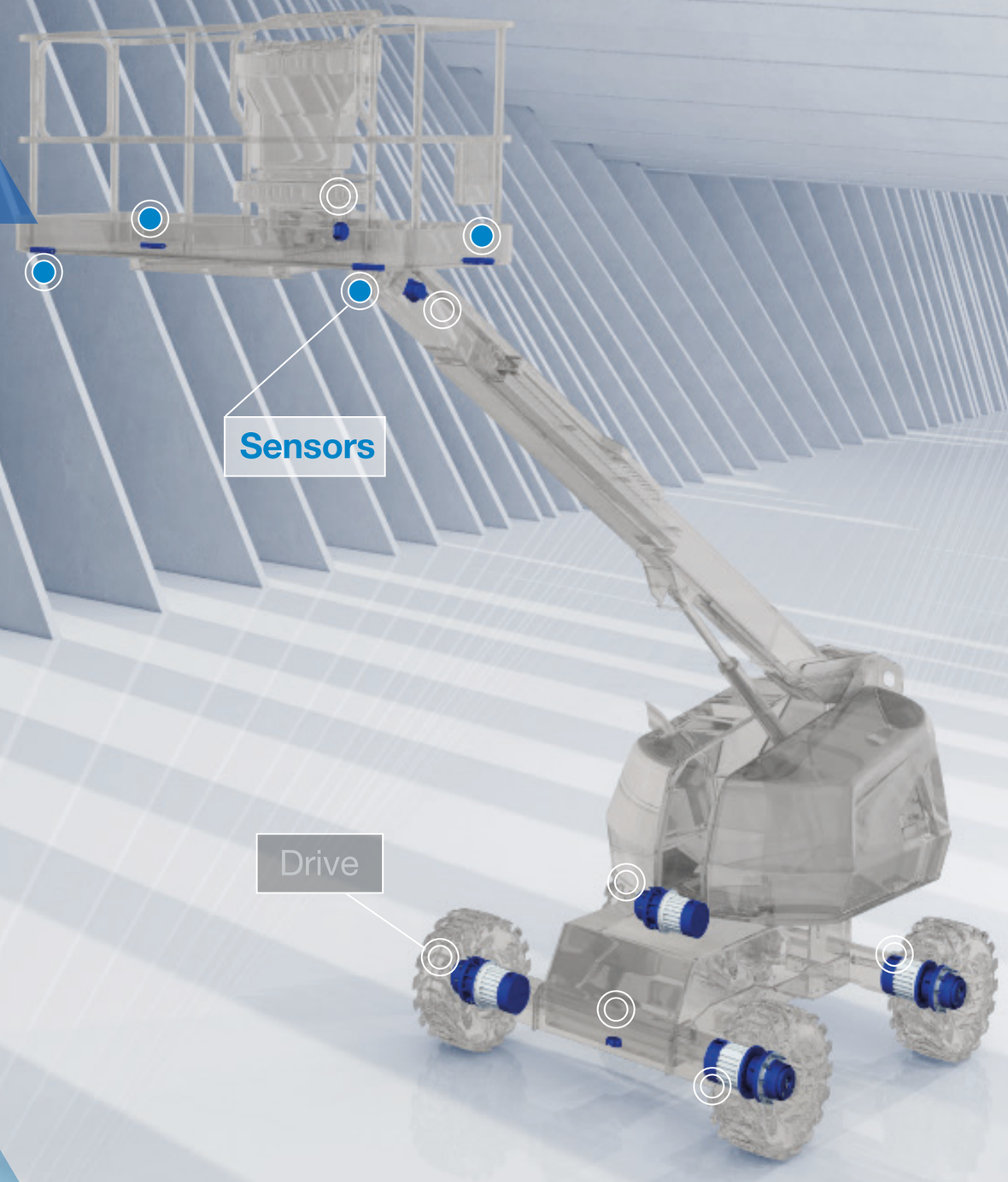
Conventional \ **Electrified**

4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Sensors

Articulated Boom | Slab Scissor | RT Scissor

Brevini™ electronic sensors
Load Sensor



Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available

Telescopic Boom

Conventional \ Electrified

Articulated Boom | Slab Scissor | RT Scissor

4 Wheel

Propelling machines with two or four individual compact wheel drives that combine Spicer Torque-Hub™ planetary gearboxes with hydraulic motors to provide optimum traction control when working on a job site.

Discover

Central

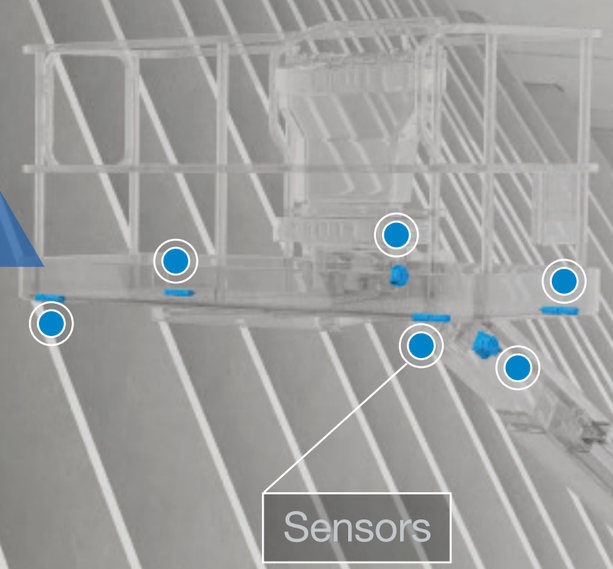
By combining Spicer™ axles and centralized high efficiency gearboxes with hydraulic motors. Our axle solutions can deliver the tractive effort required while maintaining axle supported machine designs.

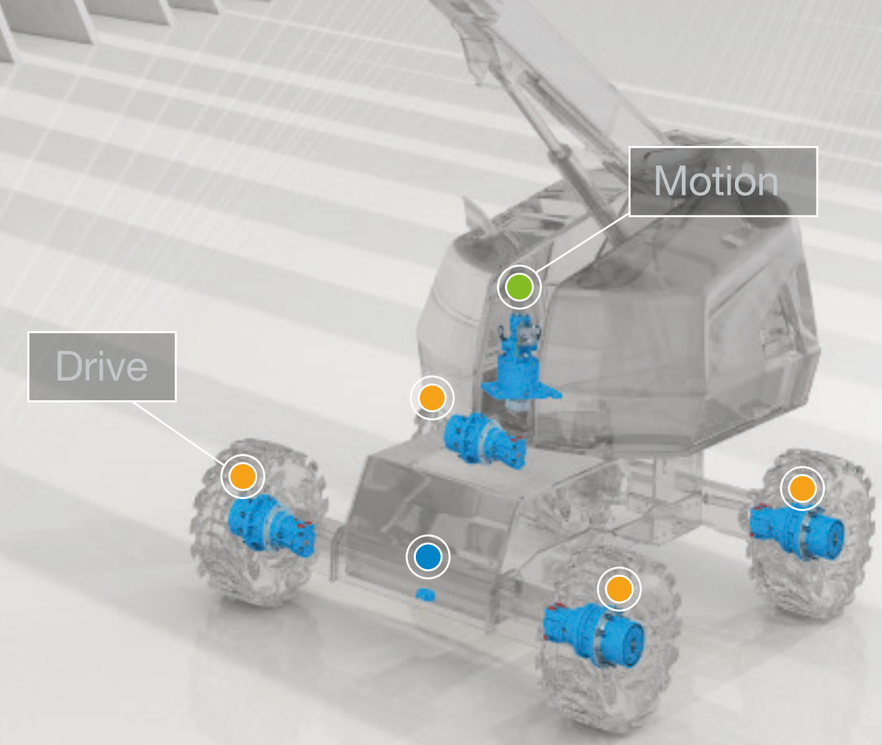
Discover

Telescopic
Boom

Conventional \ Electrified | **4 WHEEL DRIVE** | CENTRAL DRIVE

Articulated Boom | Slab Scissor | RT Scissor





A hydraulic system solution
for drive and motion, combined
with electronic sensors,
for greater efficiency and performance.

Telescopic Boom

Conventional \ Electrified

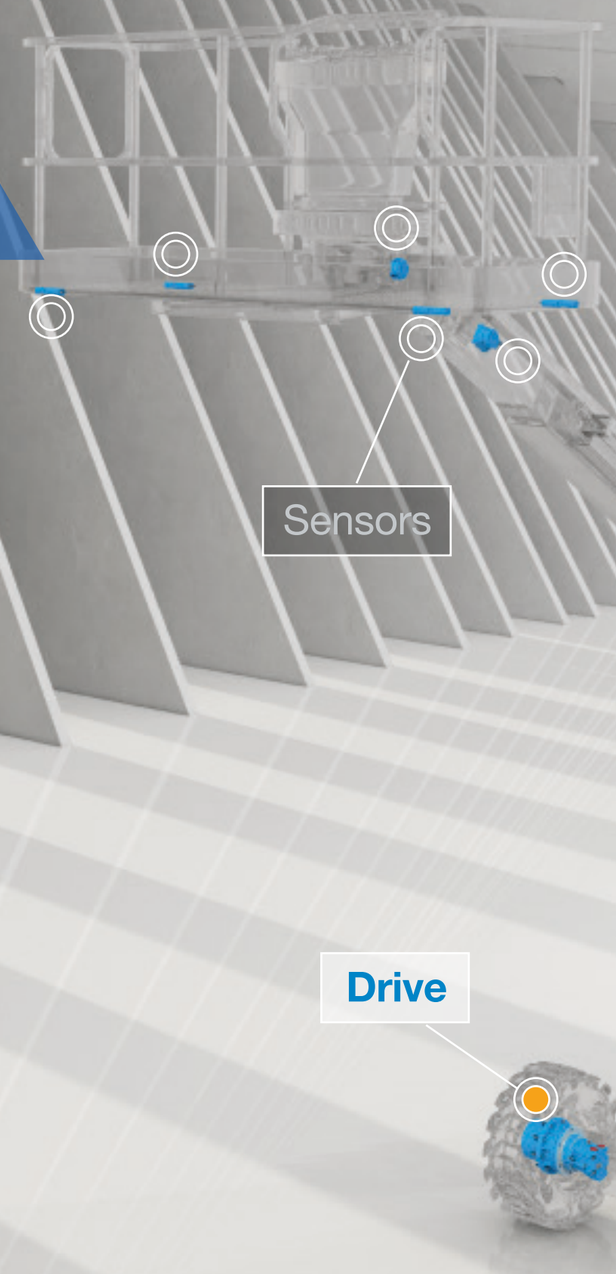
4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Motion \ Sensors

Spicer Torque-Hub™
H Series Wheel Drive

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Spicer Torque-Hub™	4H	7H	13H	18H	18H

Articulated Boom | Slab Scissor | RT Scissor



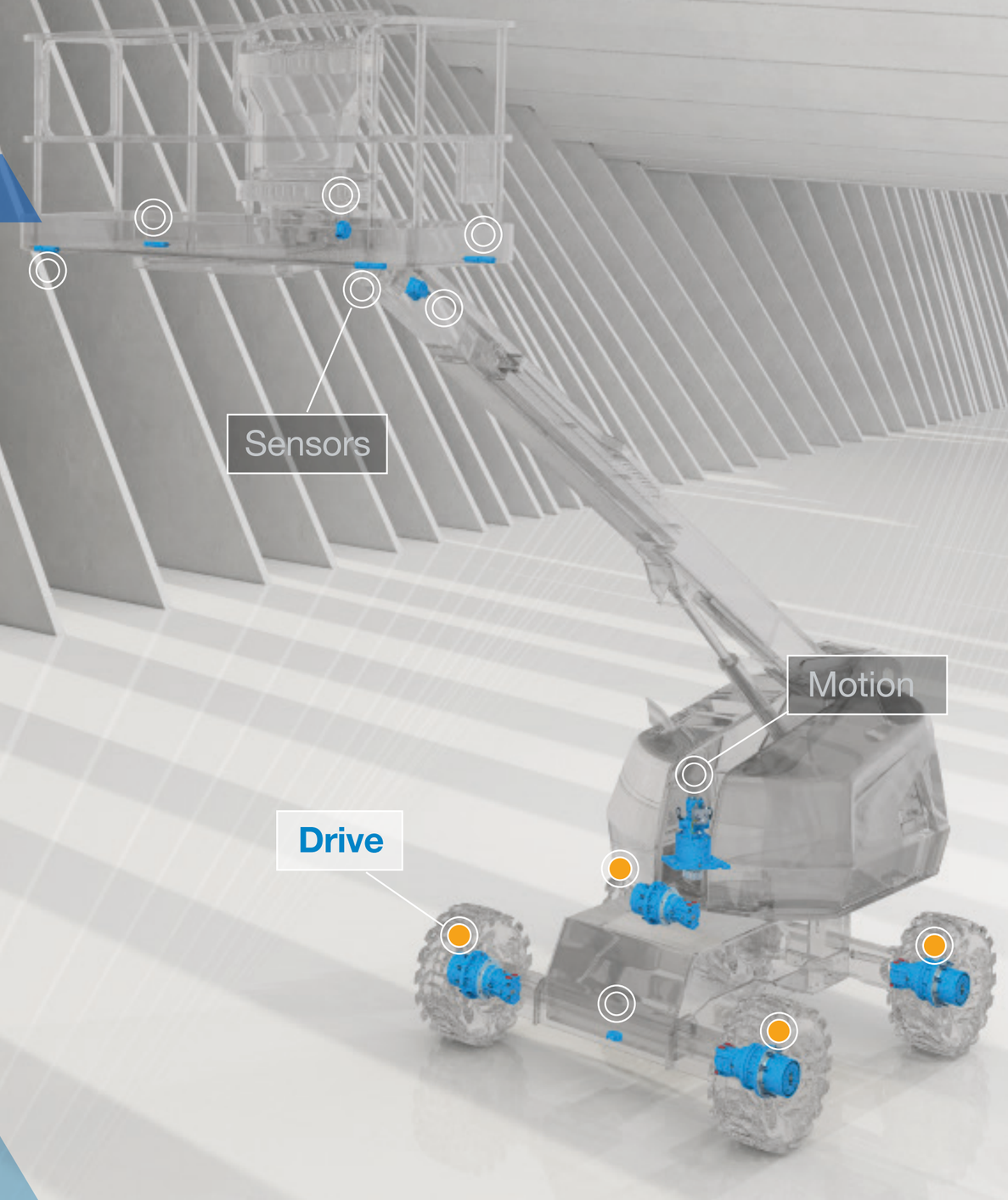
Telescopic Boom

Conventional \ Electrified

4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Motion \ Sensors

Articulated Boom | Slab Scissor | RT Scissor



Key features and benefits

- Product range engineered for best-In-class efficiency
- Torque ratings from 4kNm to 18kNm engineered to maximize efficiency and reliability
- Deliver exceptional maneuverability and proven robustness to final drive
- Low maintenance requirements and easy to service

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Spicer Torque-Hub™	4H	7H	13H	18H	18H

Telescopic Boom

Conventional \ Electrified

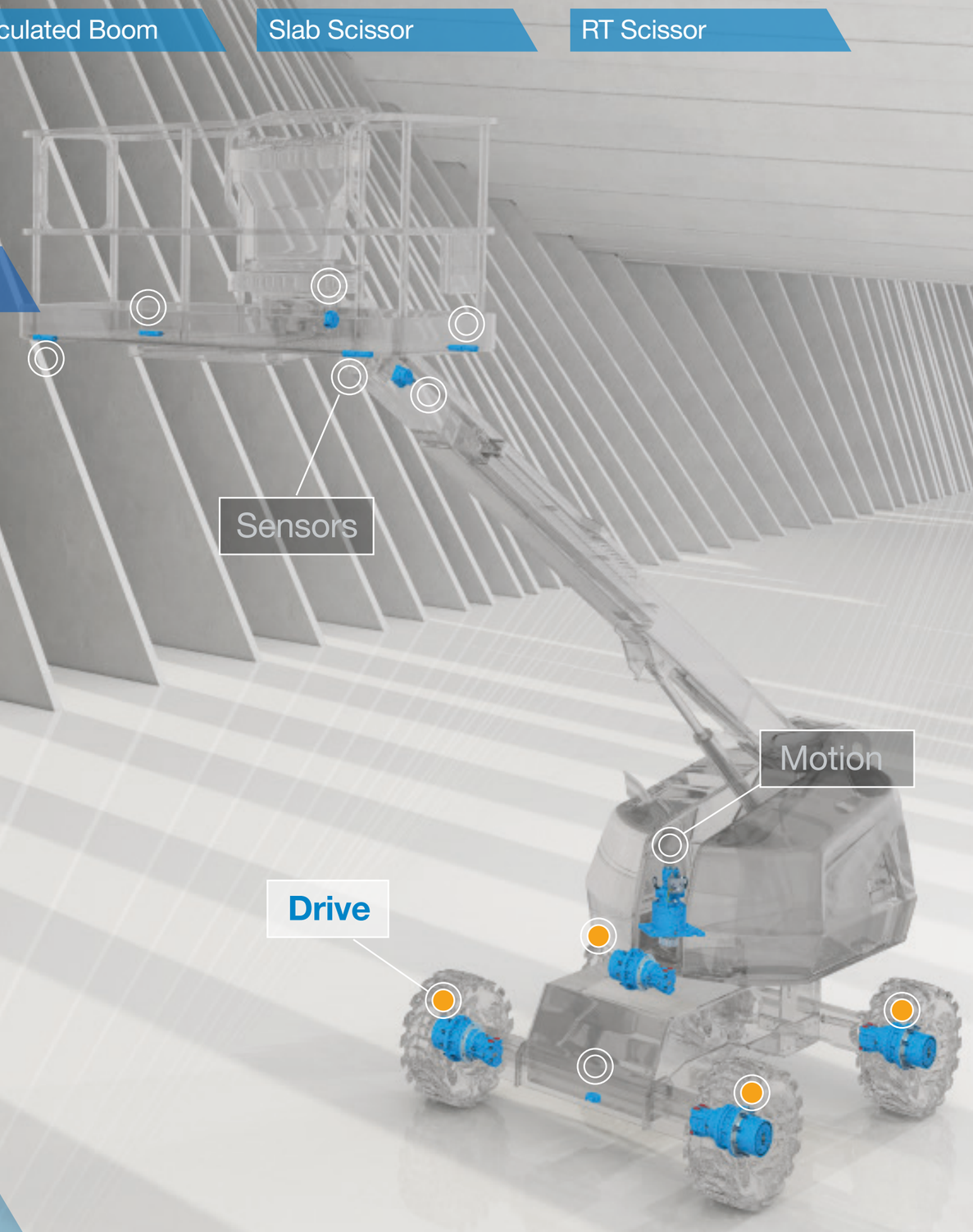
4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Motion \ Sensors

Key features and benefits

- Sealing system, hub and spindle designed for severe environmental conditions
- Integrated parking brake to meet safety standards

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Spicer Torque-Hub™	4H	7H	13H	18H	18H



Telescopic Boom

Conventional \ Electrified

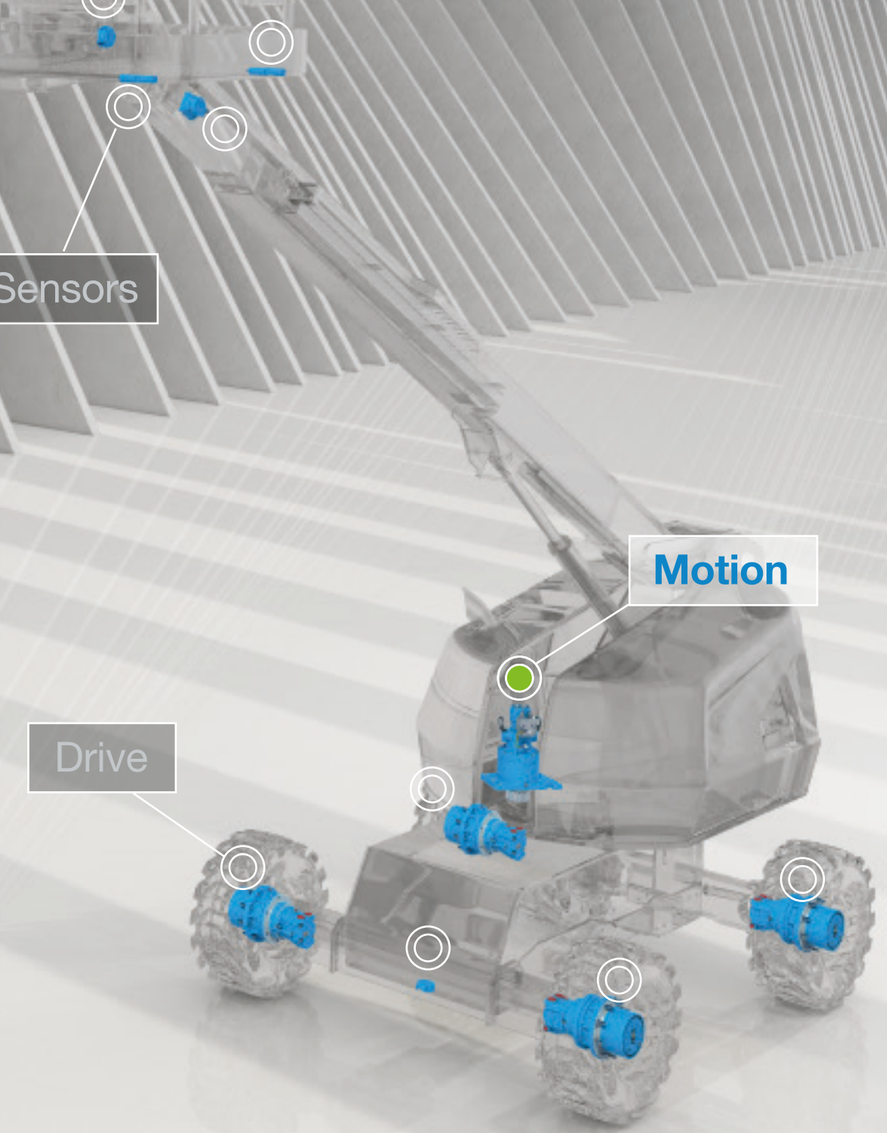
Drive \ Motion \ Sensors

4 WHEEL DRIVE CENTRAL DRIVE

Brevini™ Slew Drive P Series with Brevini™ Orbital Motor

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A

Articulated Boom | Slab Scissor | RT Scissor



Telescopic Boom

Conventional \ Electrified

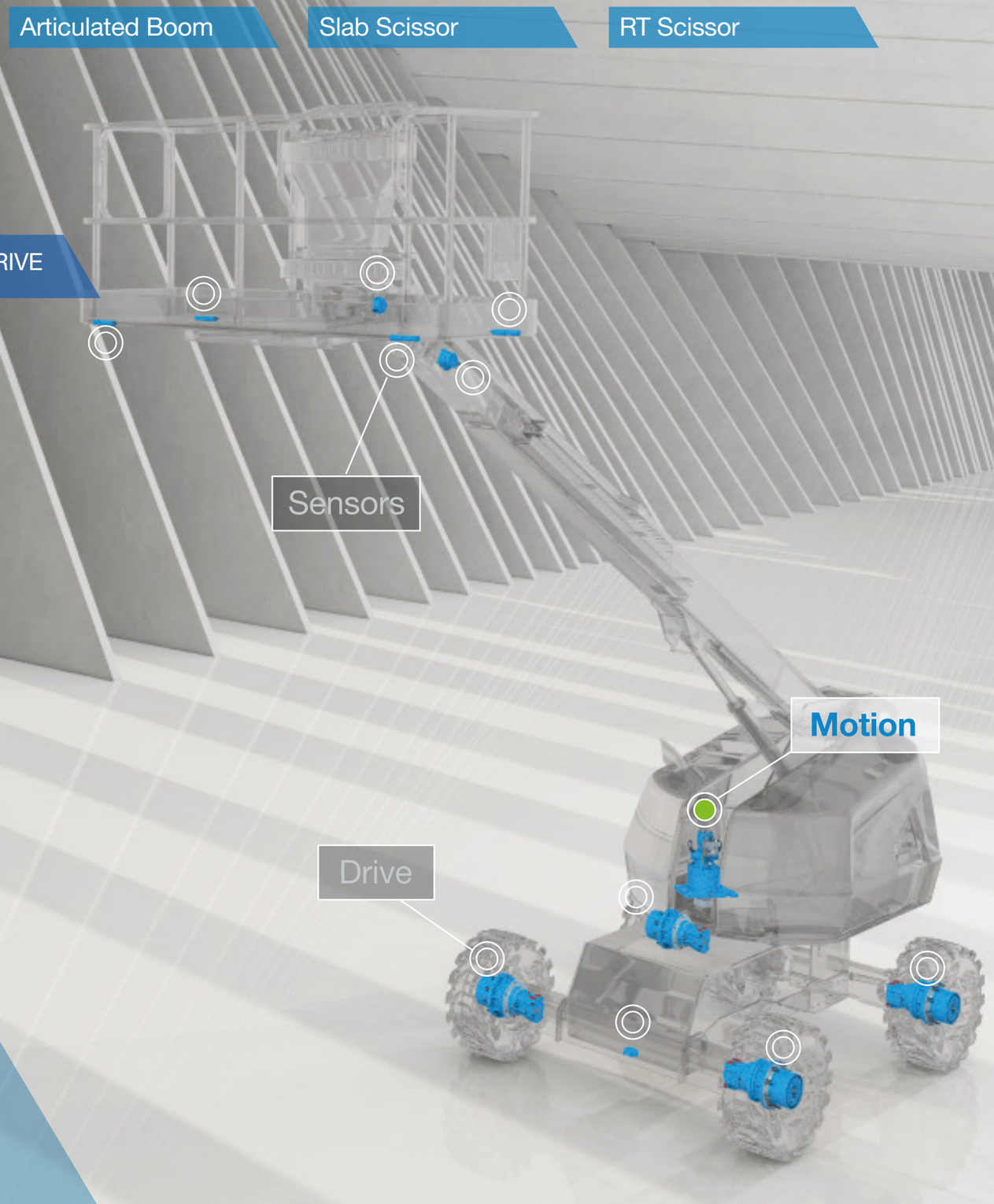
4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Motion \ Sensors

Key features and benefits

- Complete solution with hydraulic orbital motor offering all-in-one solution for slew drives
- Plug and play assembly complete with lifting lugs
- 2-stage reduction with multiple ratios available
- Many pinion options available, custom pinion upon request

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A



Telescopic Boom

Conventional \ Electrified

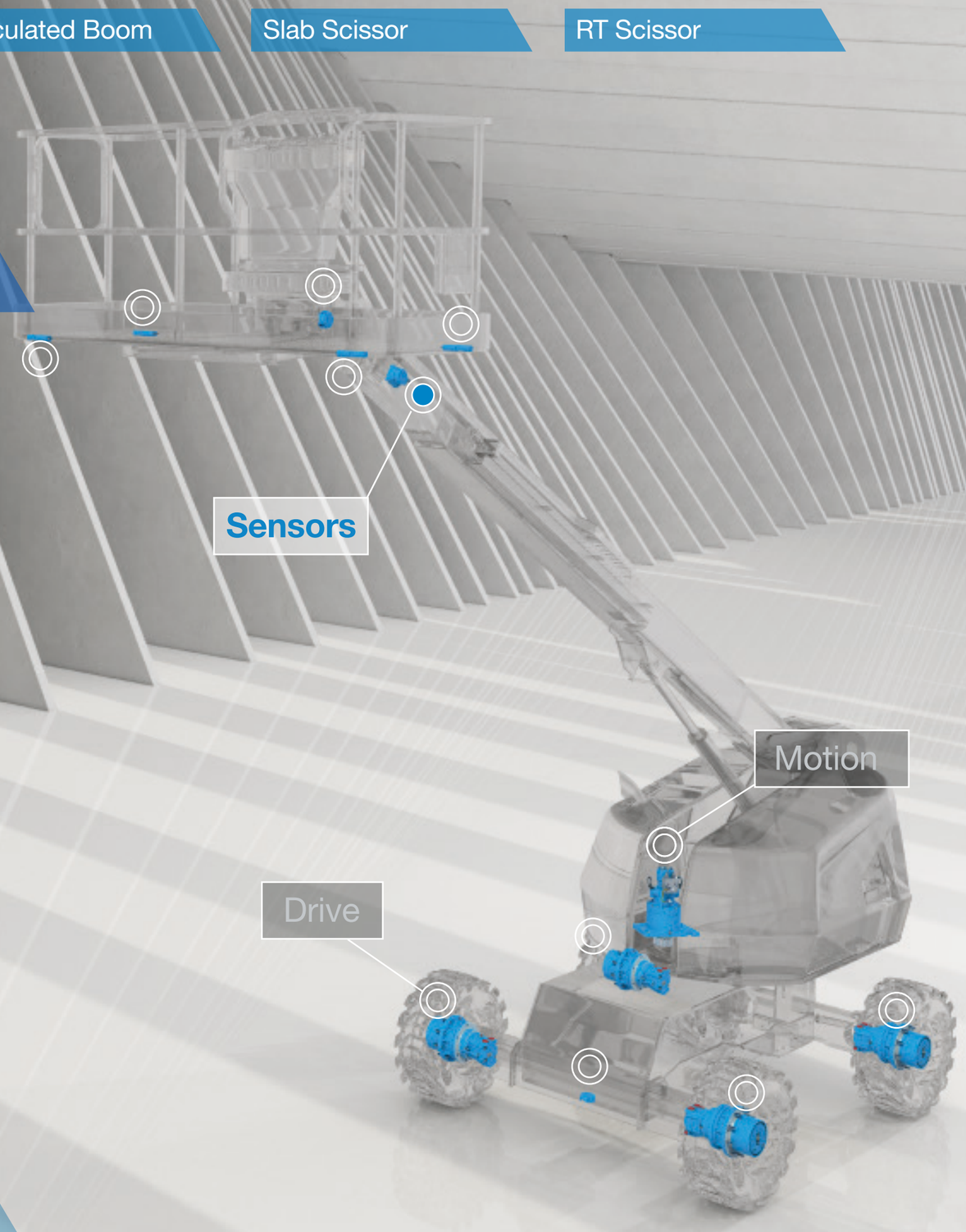
4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Motion \ Sensors

Brevini™ electronic sensors
Boom Extension Transducer

Key features and benefits

- Waterproof robust and compact body
- 1 or 2 axis integrated inclinometer available
- Dual\redundant outputs available for PLd EN13849 safety systems
- Length up to 12.5 meter



Telescopic Boom

Conventional \ Electrified

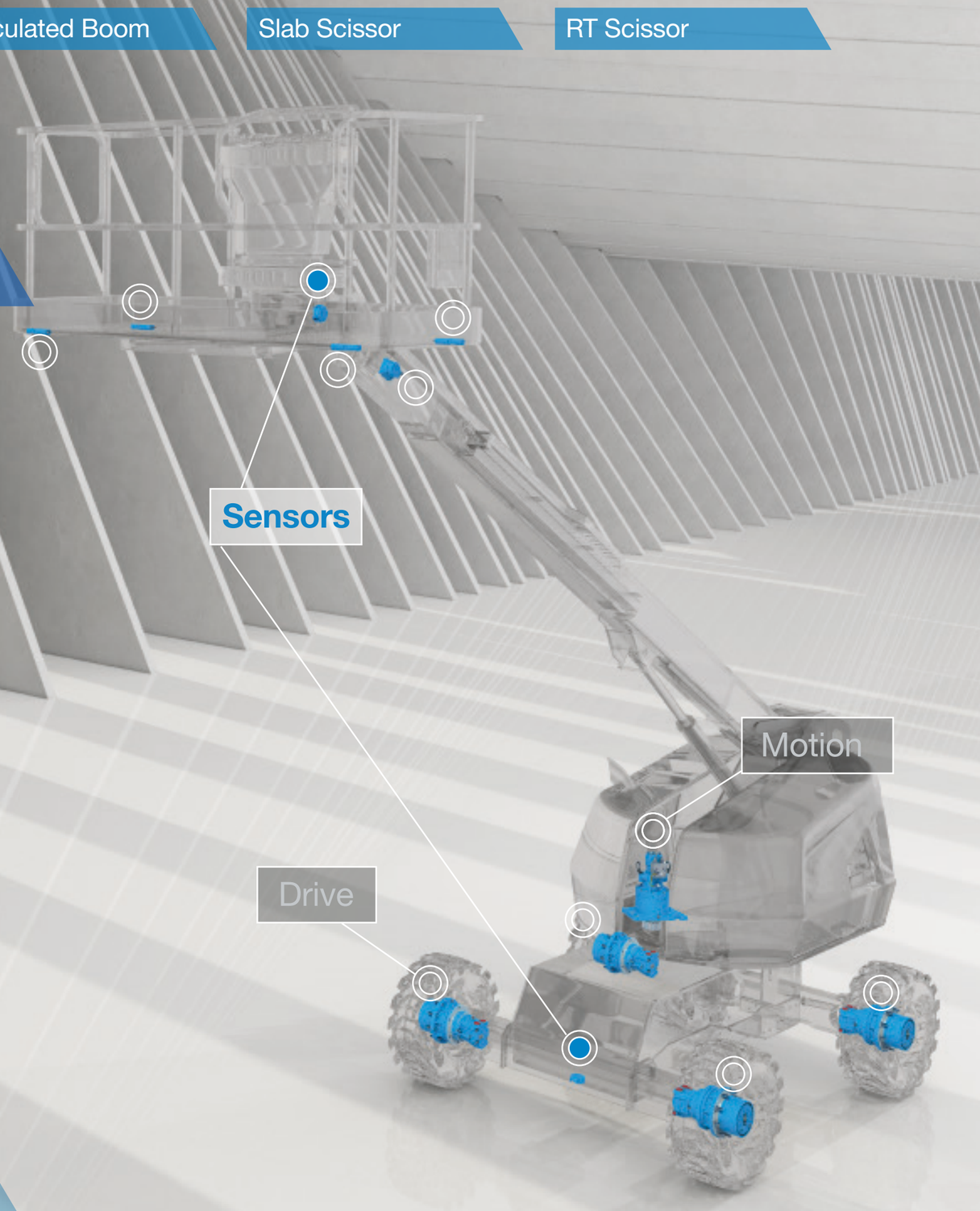
Drive \ Motion \ Sensors

4 WHEEL DRIVE CENTRAL DRIVE

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available



Telescopic Boom

Conventional \ Electrified

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Motion \ Sensors

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand

Articulated Boom | Slab Scissor | RT Scissor

Sensors

Motion

Drive

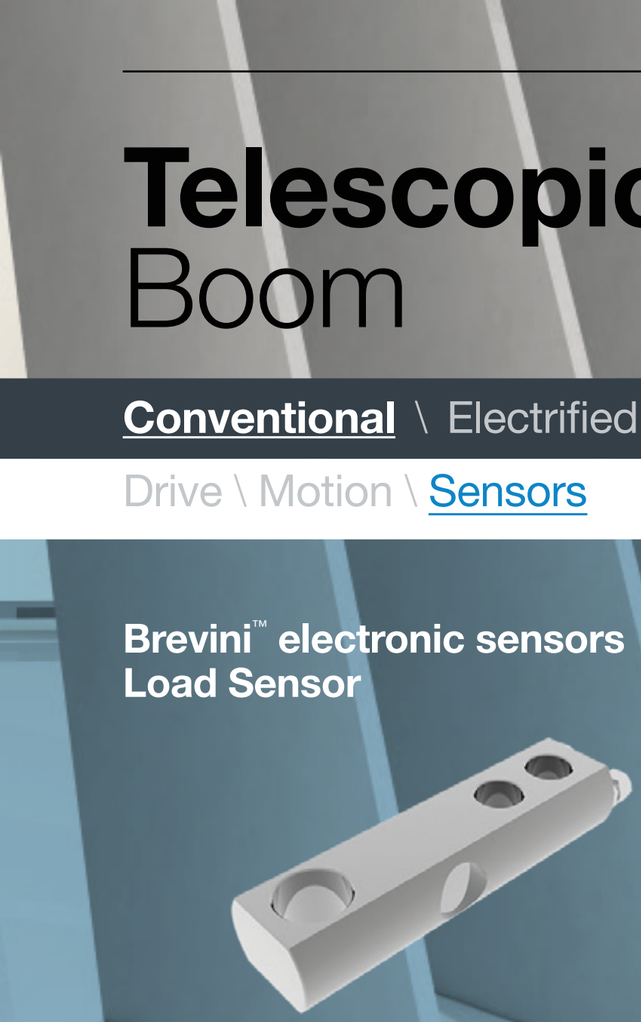
Telescopic Boom

Conventional \ Electrified

Drive \ Motion \ Sensors

4 WHEEL DRIVE CENTRAL DRIVE

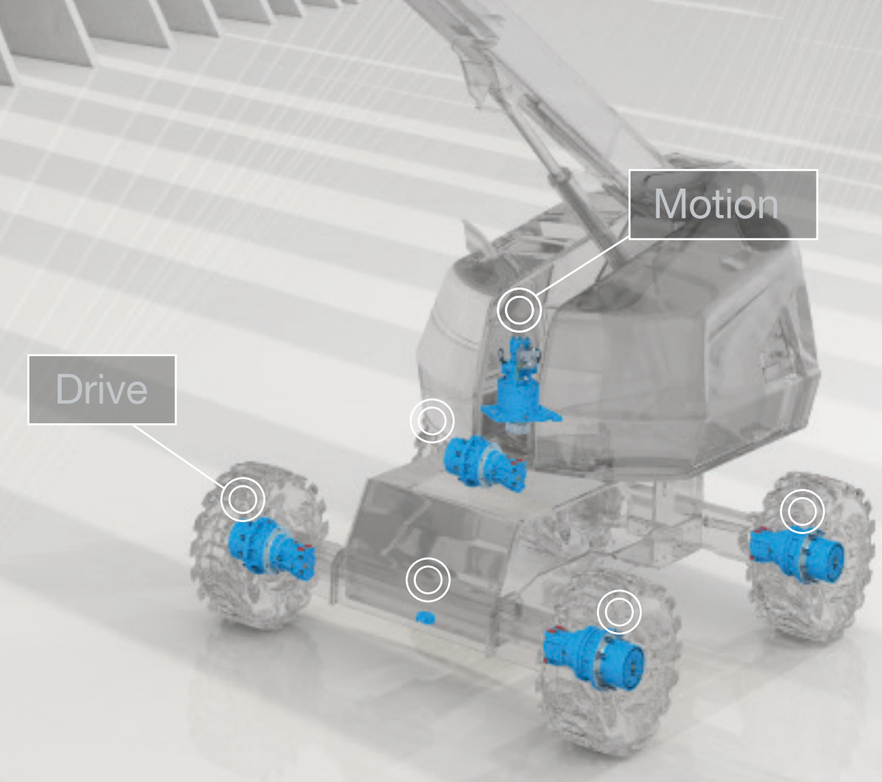
Articulated Boom | Slab Scissor | RT Scissor



Brevini™ electronic sensors
Load Sensor

Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available



Telescopic
Boom

Conventional \ **Electrified**

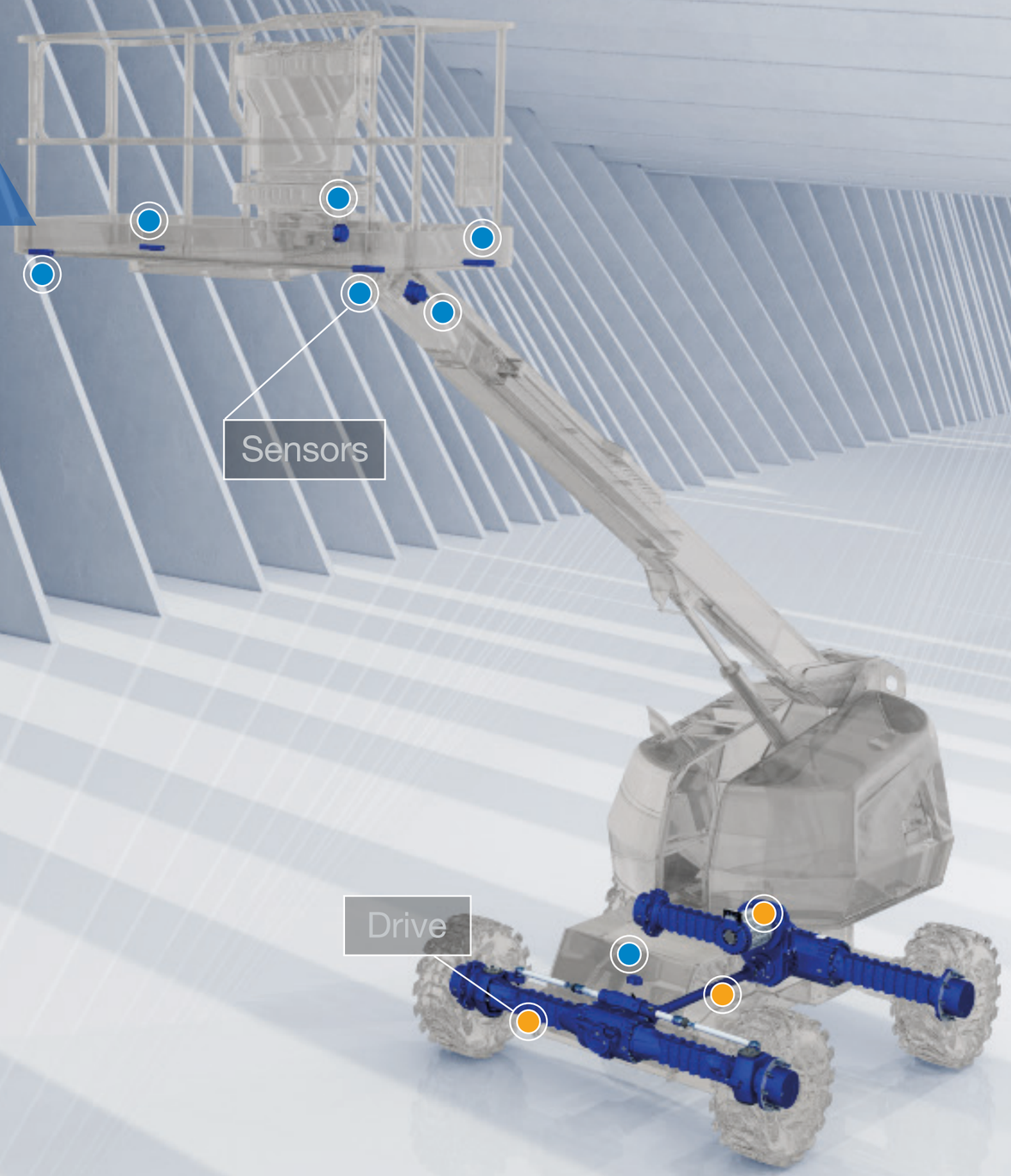
4 WHEEL DRIVE

CENTRAL DRIVE

Articulated Boom

Slab Scissor

RT Scissor



An electro-mechanical
system solution for drive,
with electronic sensors,
for greater efficiency with less size
and weight and long-life performance.

Telescopic Boom

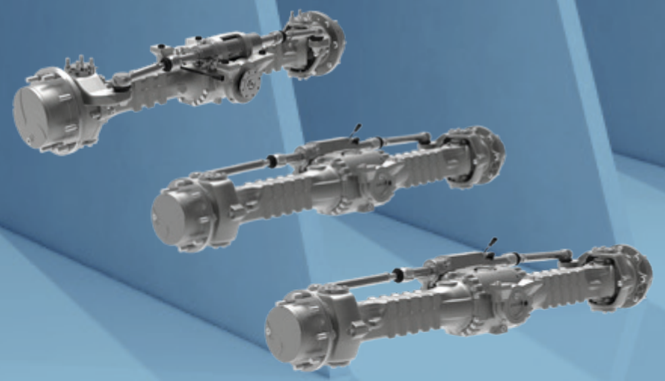
Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

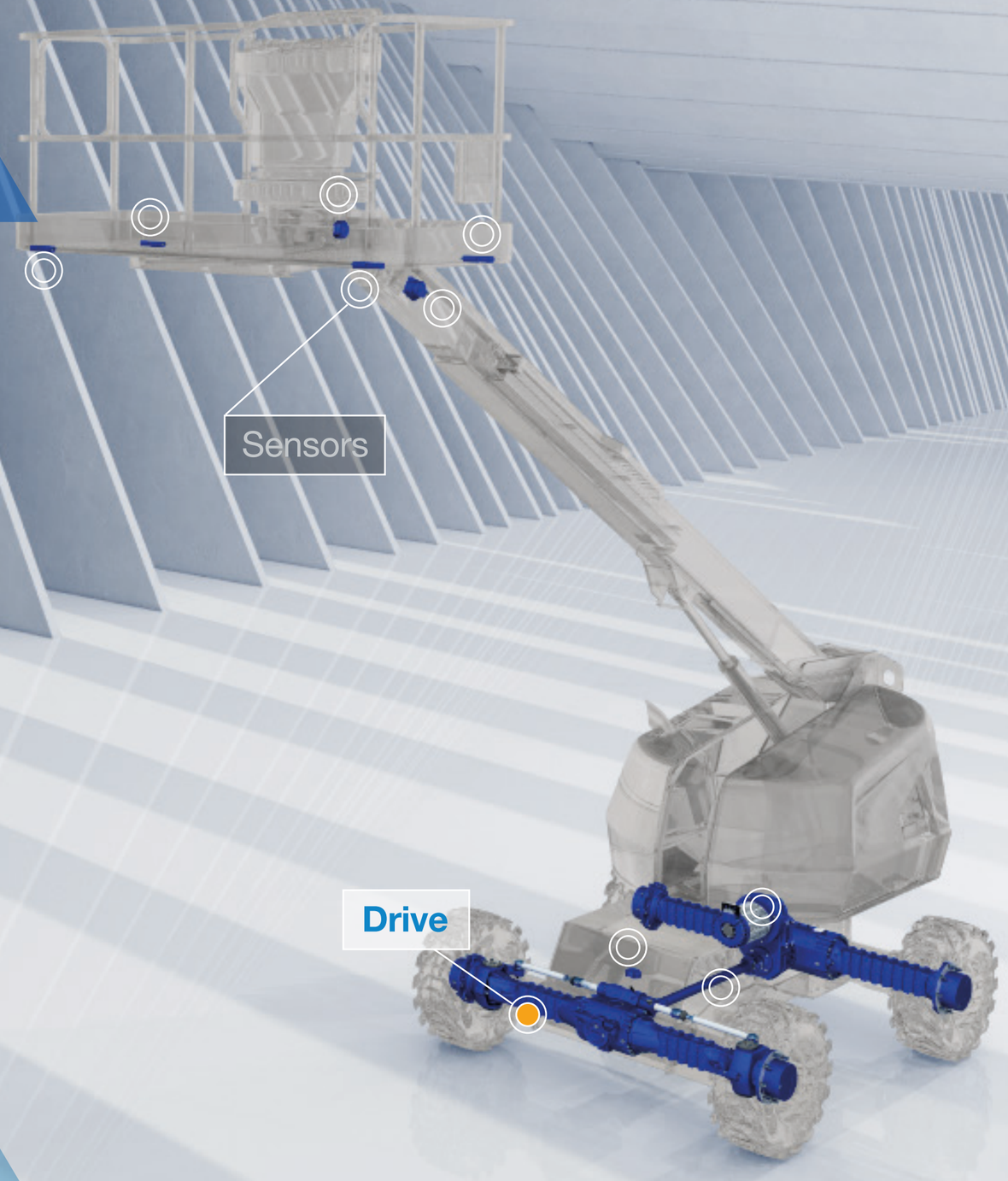
Drive \ Sensors

Spicer™
Front axle 211, 212, 212HD



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Front axle	211	212	212HD

Articulated Boom | Slab Scissor | RT Scissor



Telescopic Boom

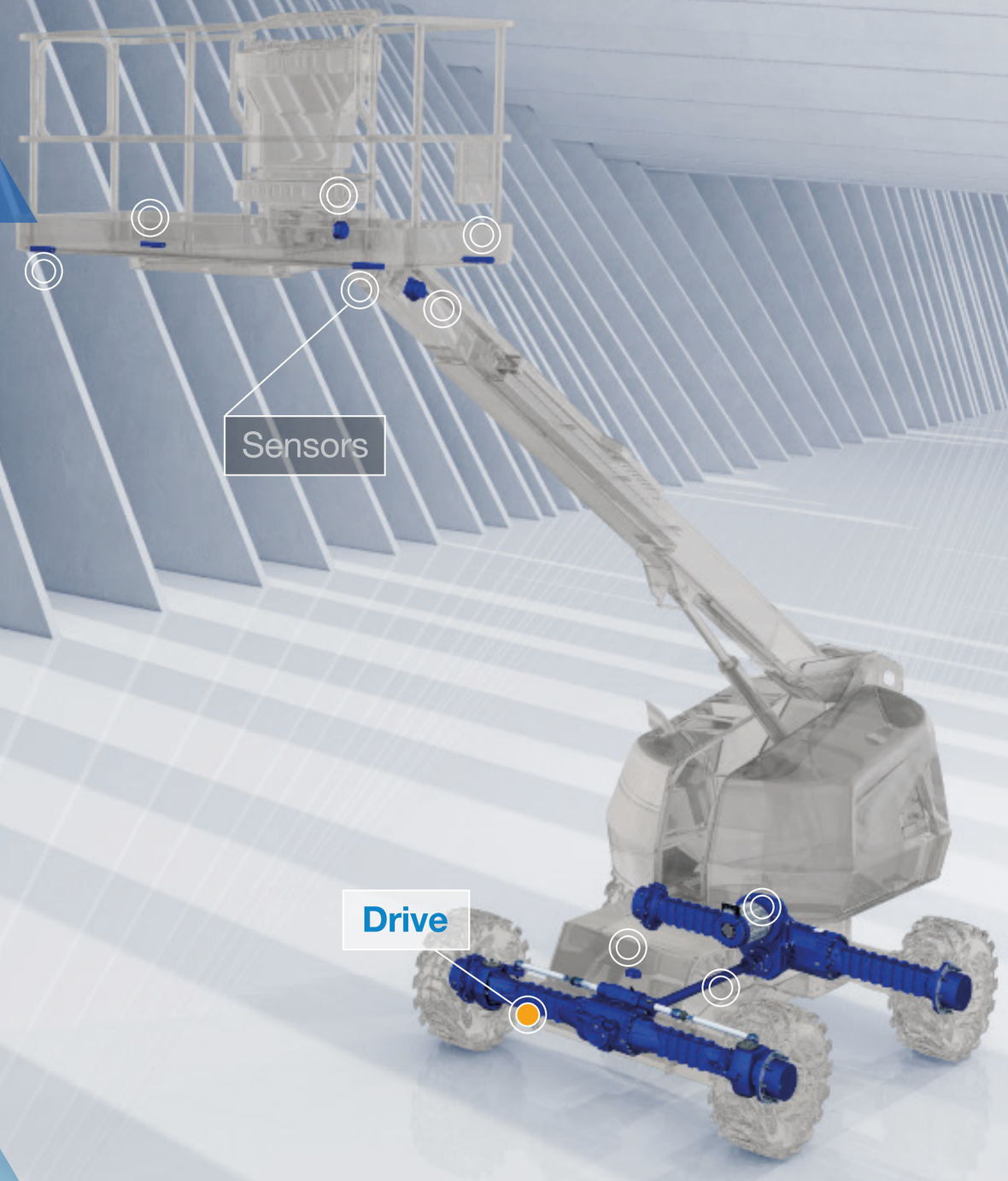
Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Articulated Boom | Slab Scissor | RT Scissor



Key features and benefits

- Planetary steering axle
- High driveline efficiency
- Minimal impact on vehicle frame
- Easy, low-cost service, and maintenance
- Different hub reduction sizes

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Front axle	211	212	212HD

Telescopic Boom

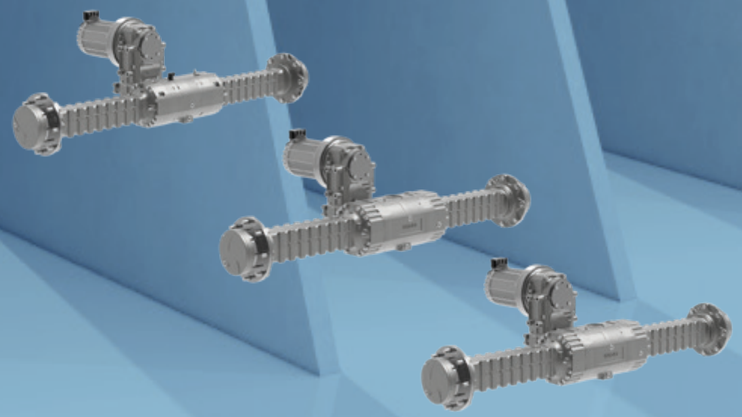
Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

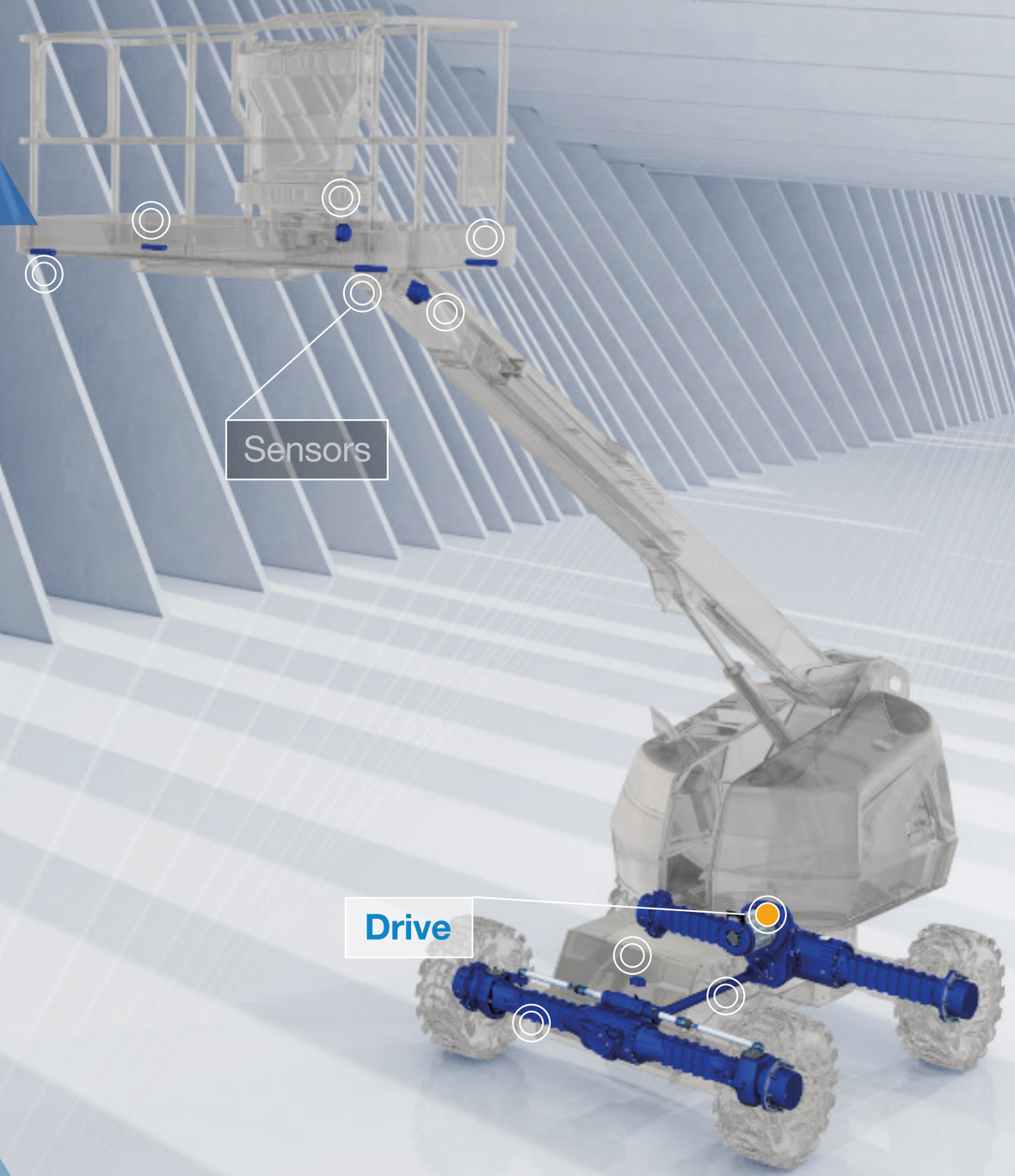
Drive \ Sensors

Spicer Electrified™ Rear e-Axle eS111, eS112, eS112HD with Spicer™ eSG001 Dropbox and Electric Motor



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer Electrified™ Rear e-Axle	eS111	eS112	eS112HD
Dropbox	eSG001	eSG001	eSG001

Articulated Boom | Slab Scissor | RT Scissor



Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE

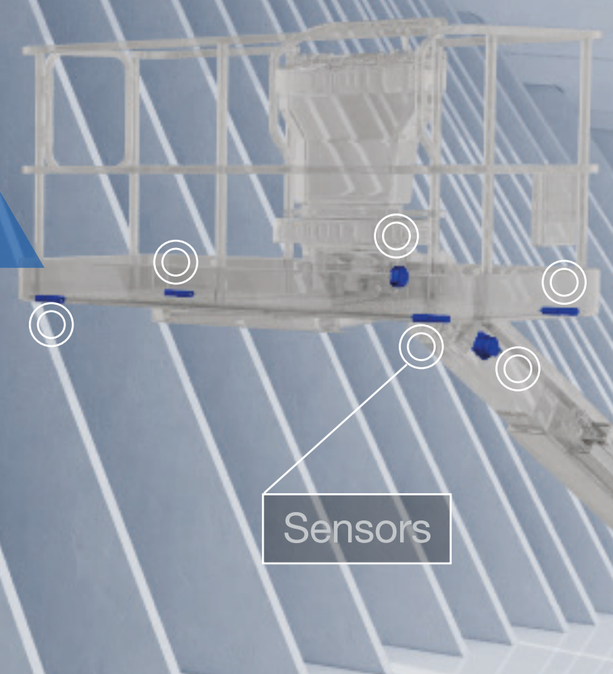
CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

Slab Scissor

RT Scissor



Key features and benefits

- Planetary rigid axles, based on modular axle, driven by electric motor
- Available in a variety of configurations and ratios
- Single speed dropbox directly flanged to Spicer™ axles, designed to enhance vehicle mobility and allow for quick deployment from worksite to worksite

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer Electrified™ Rear e-Axle	eS111	eS112	eS112HD
Dropbox	eSG001	eSG001	eSG001

Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE

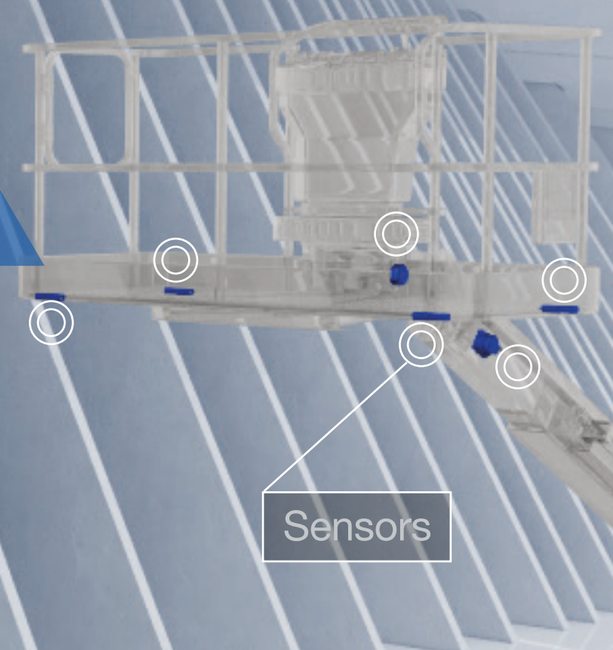
CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

Slab Scissor

RT Scissor



Key features and benefits

- Optimized NVH and efficiency for electric applications
- Four-wheel drive engagement
- Optional electromagnetic spring applied parking brake
- Different electric motors technologies to meet performance requirements
- DC voltage range: 48 V to 96 V

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer Electrified™ Rear e-Axle	eS111	eS112	eS112HD
Dropbox	eSG001	eSG001	eSG001

Telescopic Boom

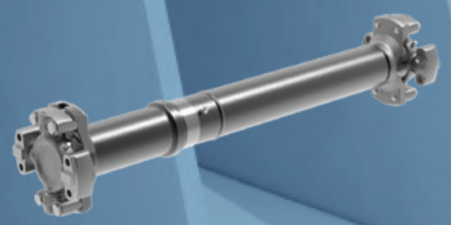
Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Spicer™ Driveshaft 10 Series

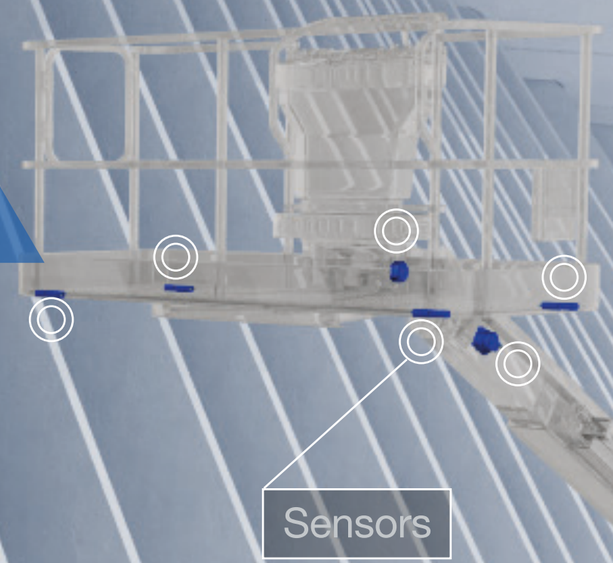


Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series	10 Series

Articulated Boom

Slab Scissor

RT Scissor



Telescopic Boom

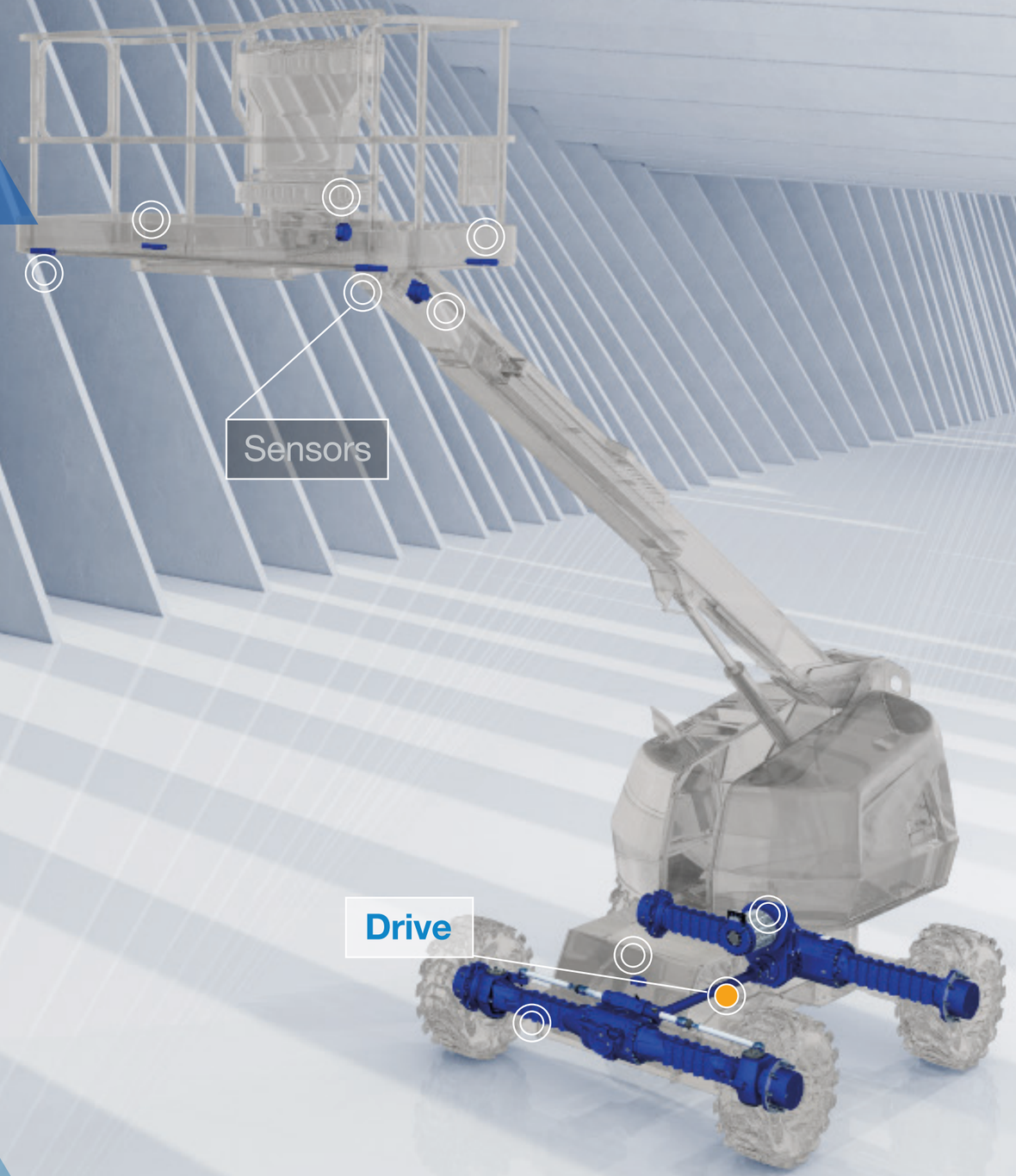
Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Articulated Boom | Slab Scissor | RT Scissor



Key features and benefits

- Extended Spline Life
- Reduced Thrust Load under Pressure
- Lower Friction under Load
- Superior Needle Bearing Retention
- Easy to Service Universal Joints
- Extended or Permanent Lubrication available on request

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series	10 Series

Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE

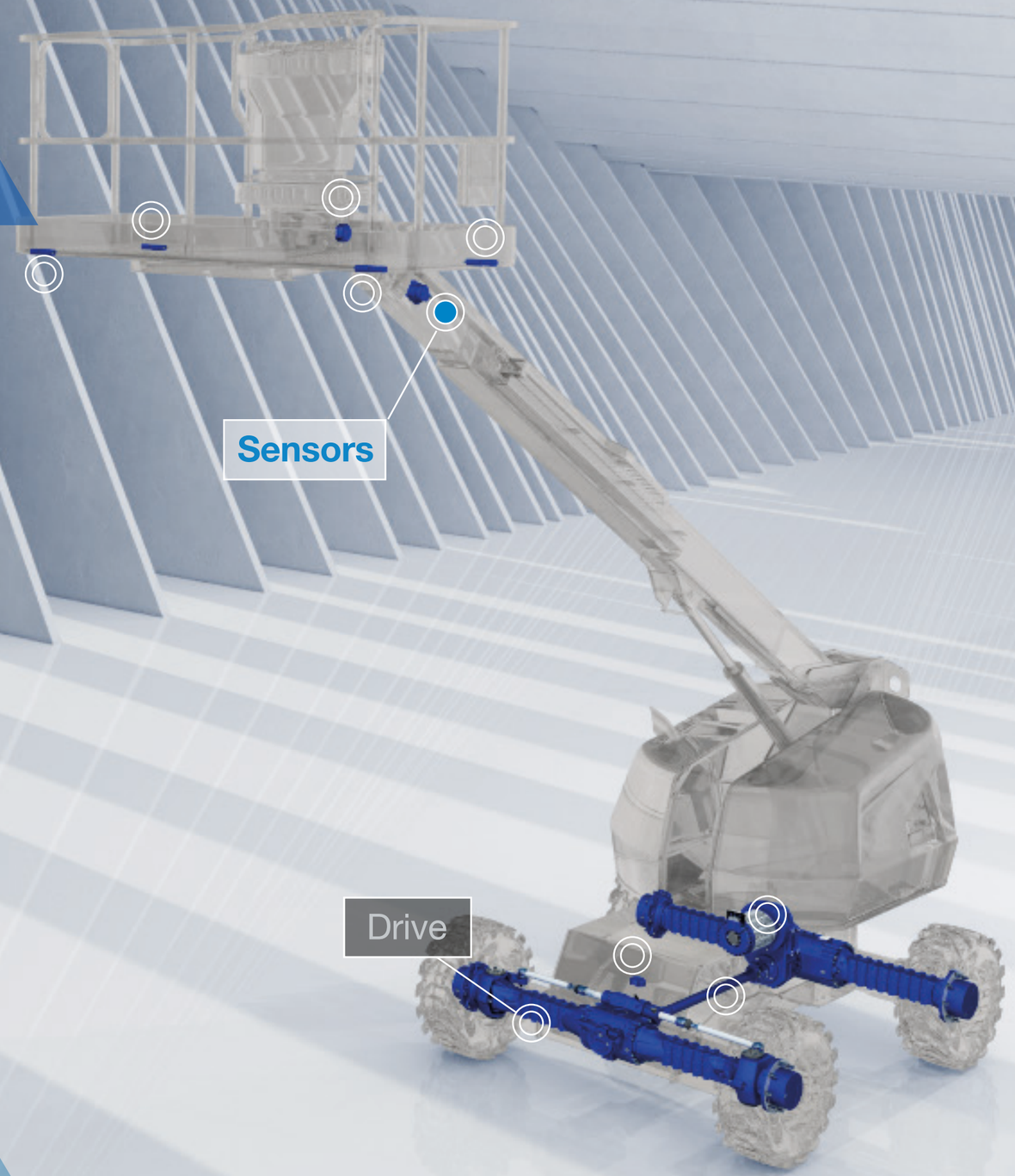
CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

Slab Scissor

RT Scissor



Brevini™ electronic sensors
Boom Extension Transducer

Key features and benefits

- Waterproof robust and compact body
- 1 or 2 axis integrated inclinometer available
- Dual\redundant outputs available for PLd EN13849 safety systems
- Length up to 12.5 meter

Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

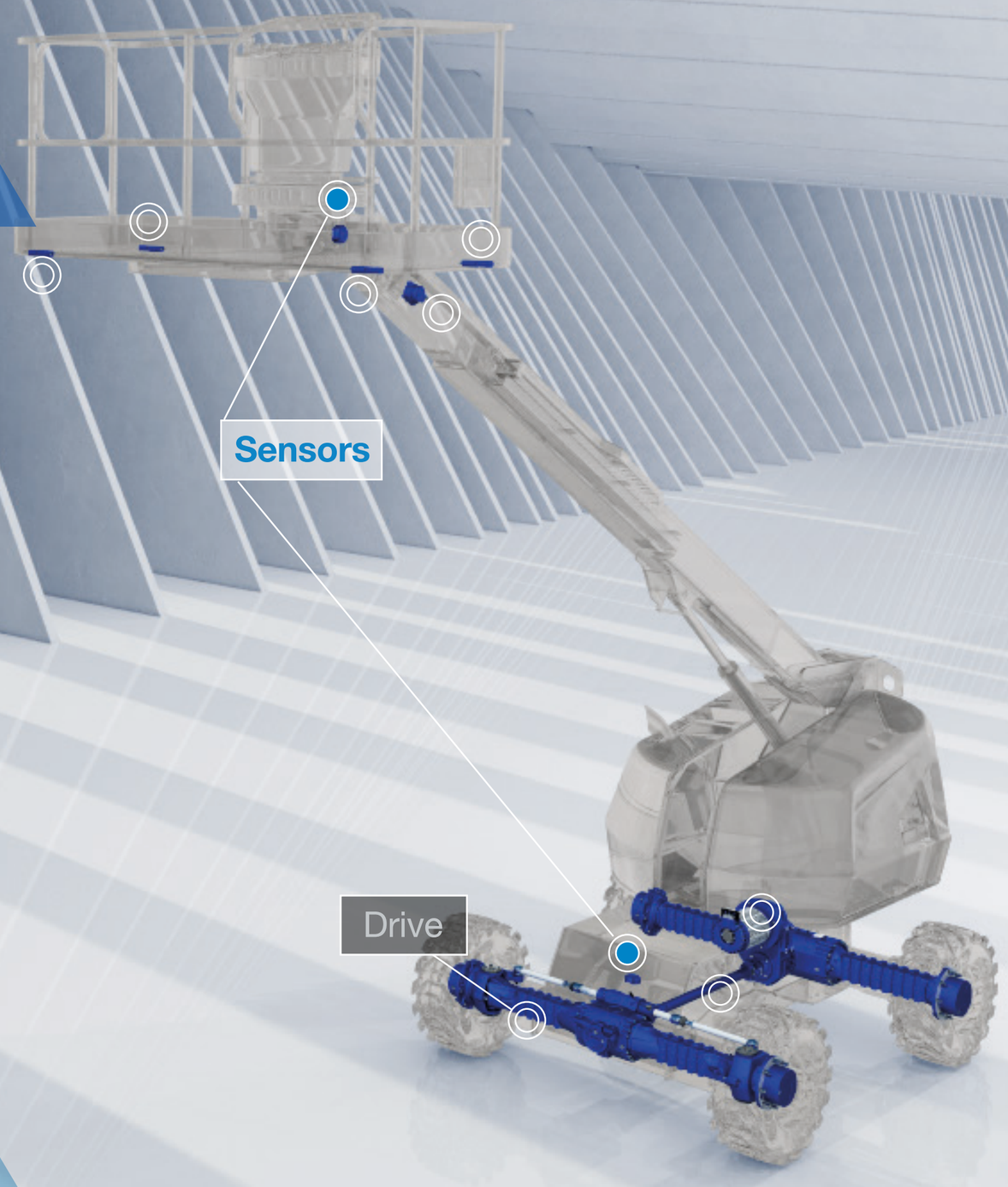
Slab Scissor

RT Scissor

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available



Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

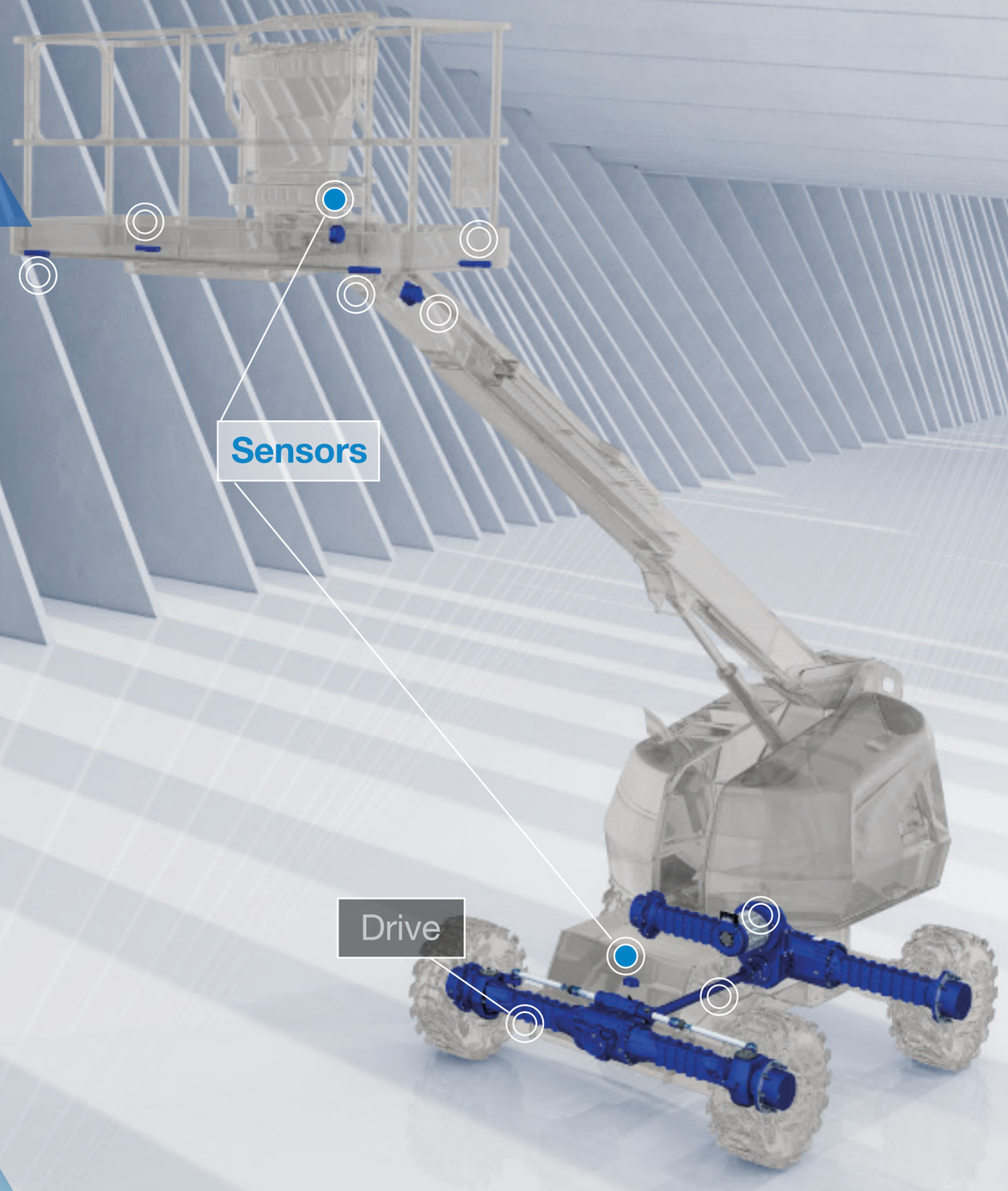
Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand

Articulated Boom | Slab Scissor | RT Scissor



Telescopic Boom

Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

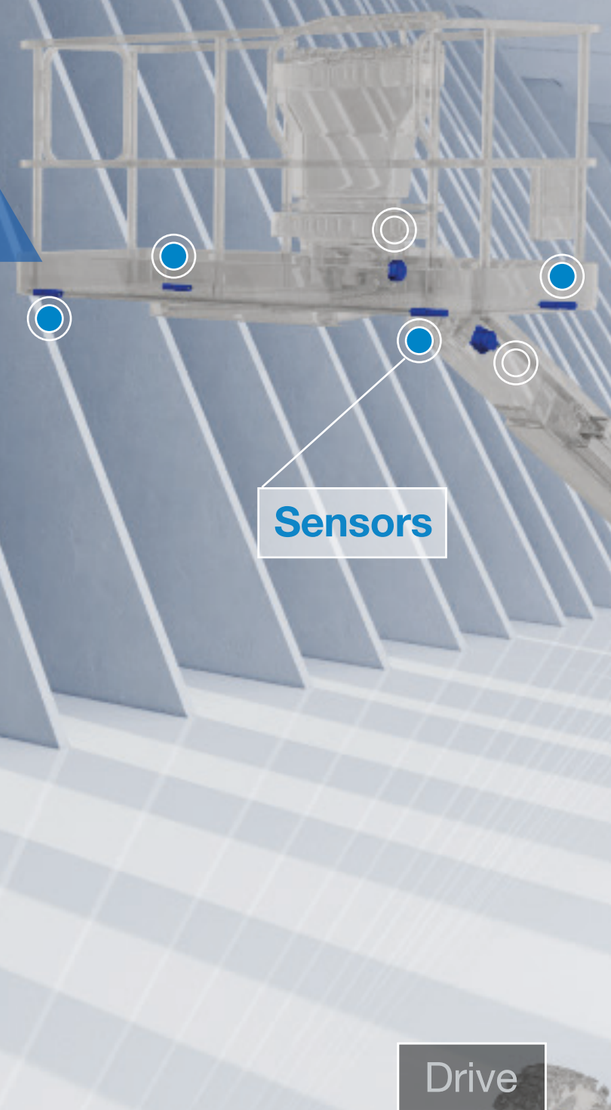
Drive \ Sensors

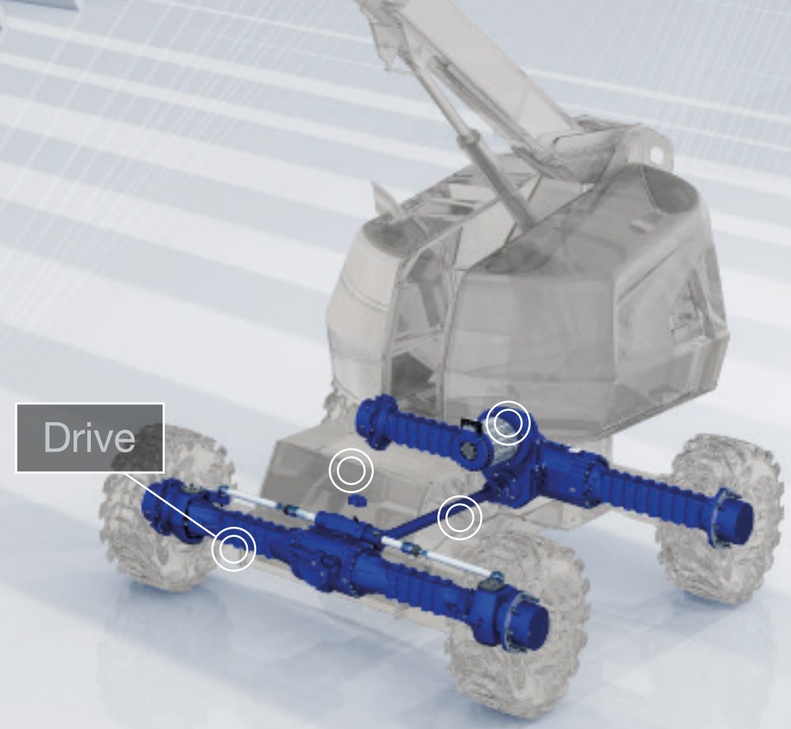
Telescopic Boom | Slab Scissor | RT Scissor

Brevini™ electronic sensors
Load Sensor

Key features and benefits

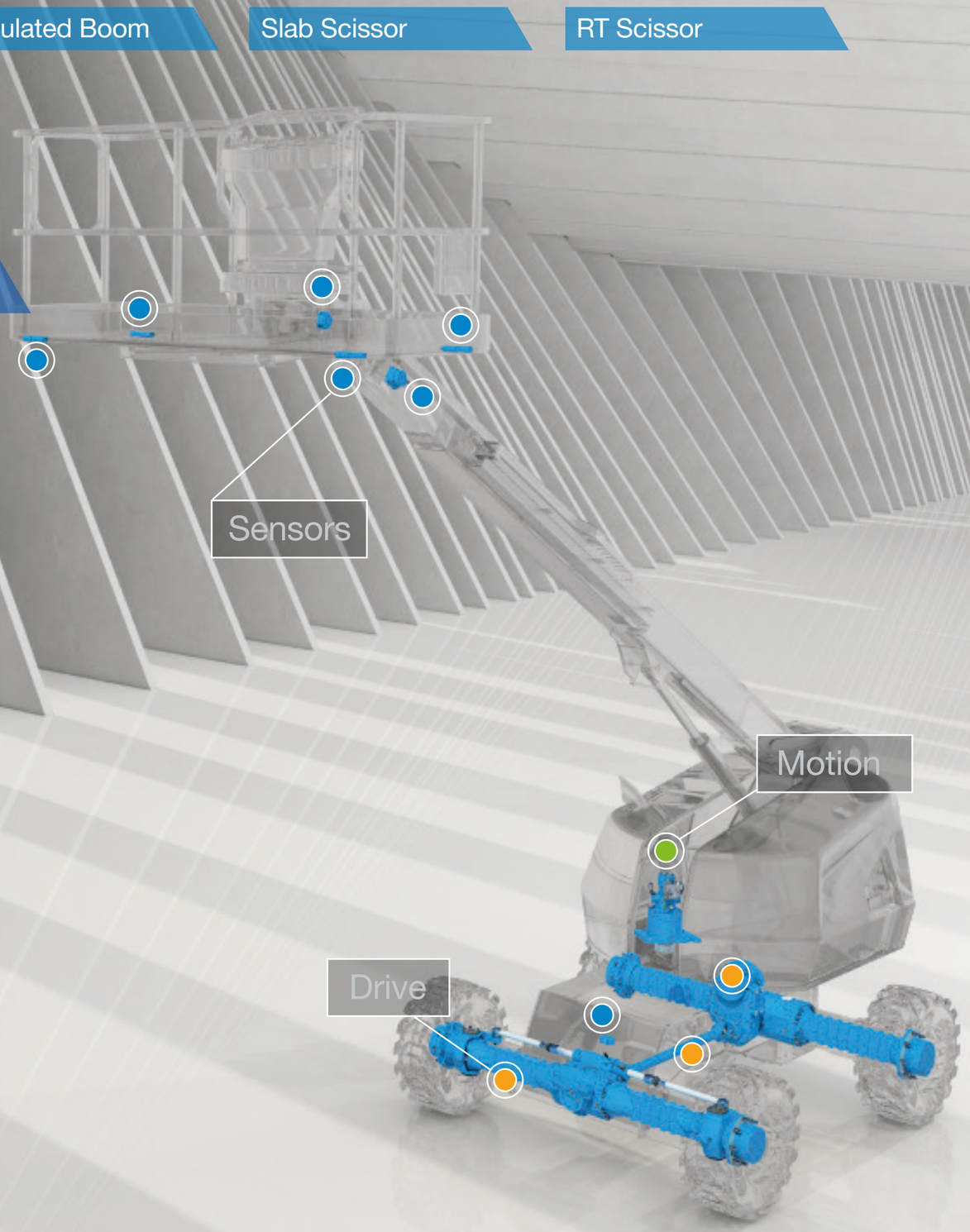
- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available





Telescopic
Boom

Conventional \ Electrified | 4 WHEEL DRIVE | **CENTRAL DRIVE**



A hydraulic system solution
for drive and motion, combined
with electronic sensors,
for greater efficiency and performance.

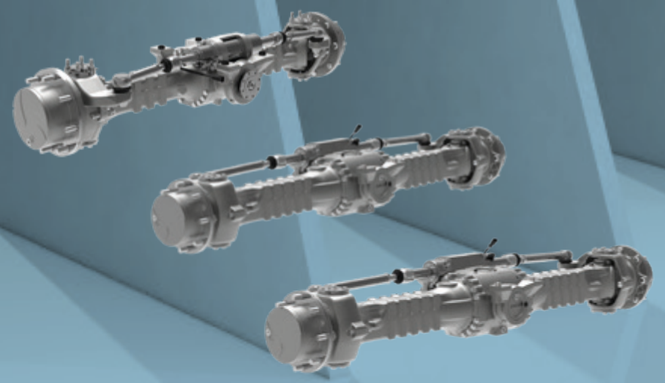
Telescopic Boom

Conventional \ Electrified

Drive \ Motion \ Sensors

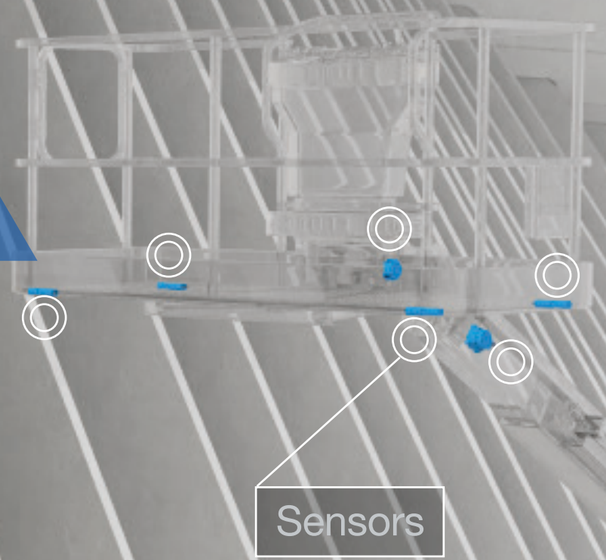
4 WHEEL DRIVE **CENTRAL DRIVE**

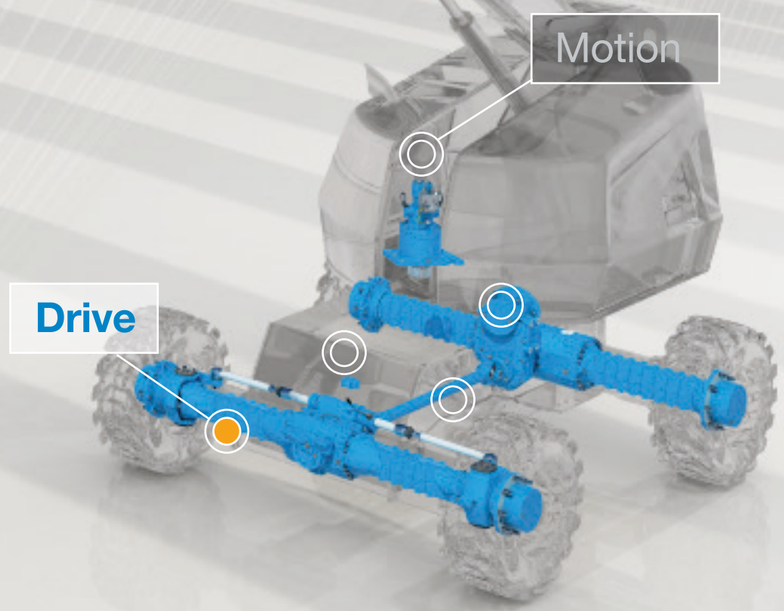
Spicer™
Front axle 211, 212, 212HD



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Front axle	211	212	212HD

Articulated Boom | Slab Scissor | RT Scissor





Telescopic Boom

Conventional \ Electrified

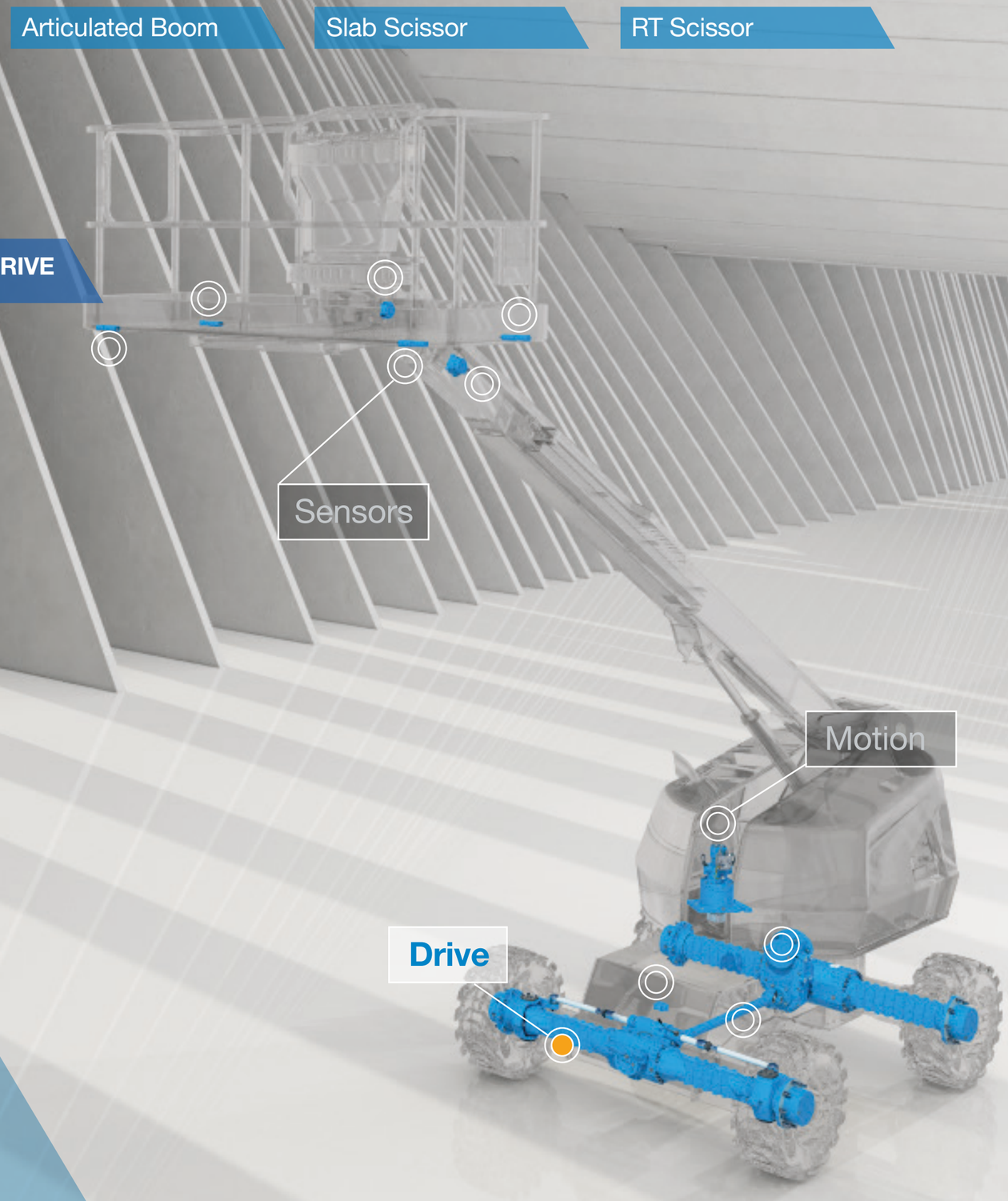
4 WHEEL DRIVE **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Key features and benefits

- Planetary steering axle
- High driveline efficiency
- Minimal impact on vehicle frame
- Easy, low-cost service, and maintenance
- Different hub reduction sizes

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Front axle	211	212	212HD



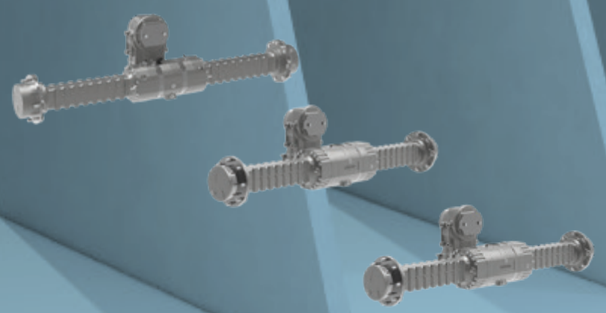
Telescopic Boom

Conventional \ Electrified

Drive \ Motion \ Sensors

4 WHEEL DRIVE **CENTRAL DRIVE**

Spicer™ Rear axle 111, 112, 112HD with Spicer™ 301 Dropbox and Hydraulic Motor



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Rear axle	211	212	212HD
Dropbox	301	301	301

Articulated Boom | Slab Scissor | RT Scissor

Sensors

Motion

Drive

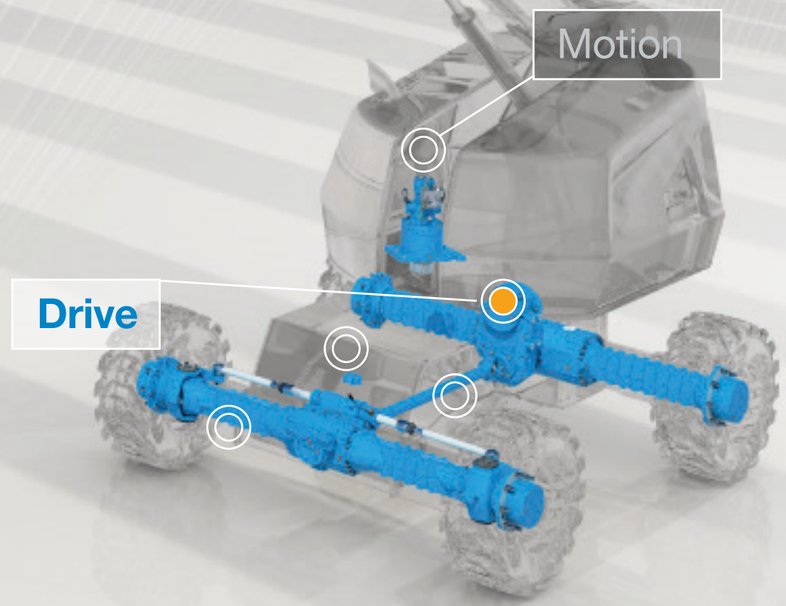
Telescopic Boom

Conventional \ Electrified

◎ 4 WHEEL DRIVE ● **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Articulated Boom | Slab Scissor | RT Scissor



Key features and benefits

- Planetary rigid axles, based on modular axle, driven by hydraulic motor
- Available in a variety of configurations and ratios
- Single speed dropbox directly flanged to Spicer™ axles, designed to enhance vehicle mobility and allow for quick deployment from worksite to worksite
- Optimized NVH and efficiency

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Rear axle	211	212	212HD
Dropbox	301	301	301

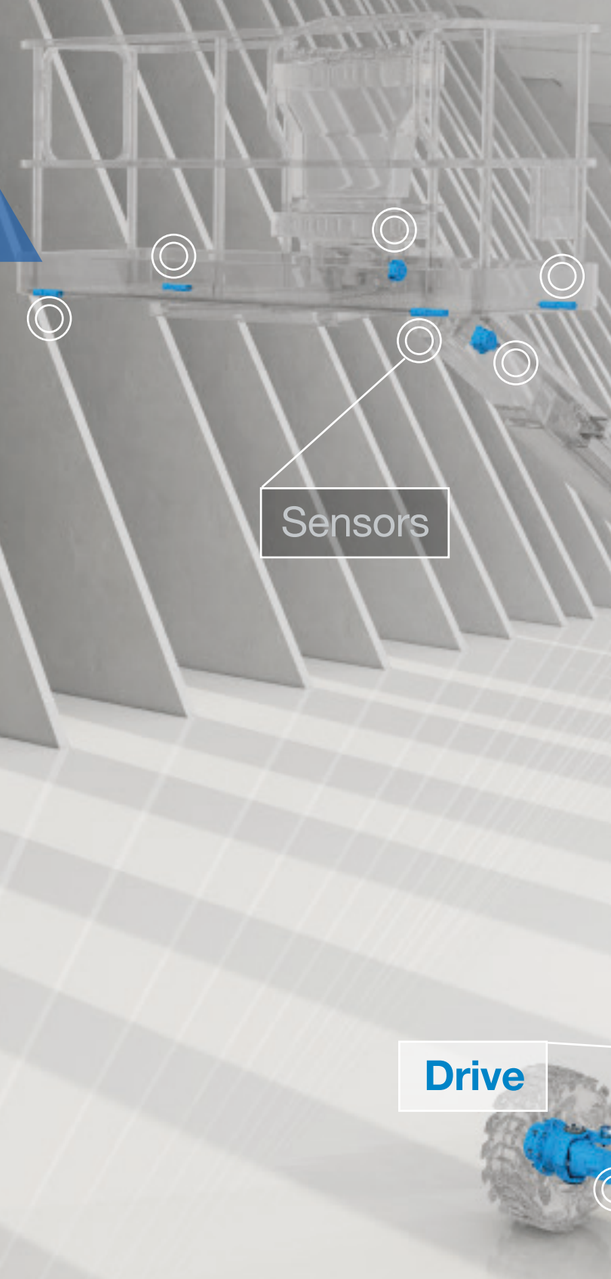
Telescopic Boom

Conventional \ Electrified

Drive \ Motion \ Sensors

◎ 4 WHEEL DRIVE ● **CENTRAL DRIVE**

Articulated Boom | Slab Scissor | RT Scissor



Key features and benefits

- Four-wheel drive engagement
- Optional electromagnetic spring applied parking brake

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Rear axle	211	212	212HD
Dropbox	301	301	301

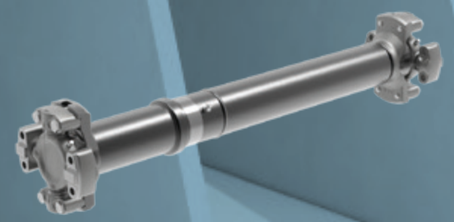
Telescopic Boom

Conventional \ Electrified

Drive \ Motion \ Sensors

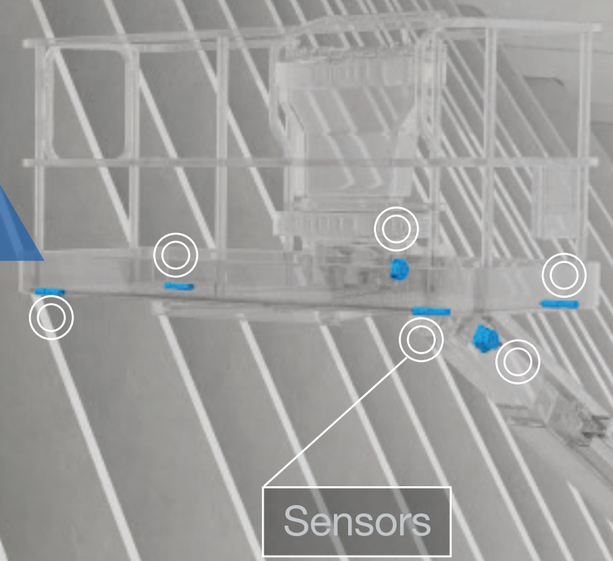
4 WHEEL DRIVE **CENTRAL DRIVE**

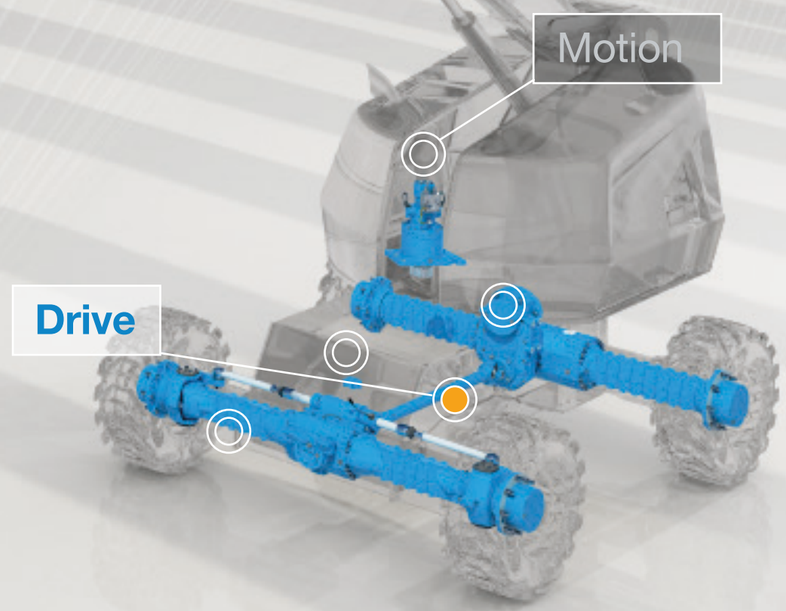
Spicer™ Driveshaft 10 Series



Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series	10 Series

Articulated Boom | Slab Scissor | RT Scissor





Telescopic Boom

Conventional \ Electrified

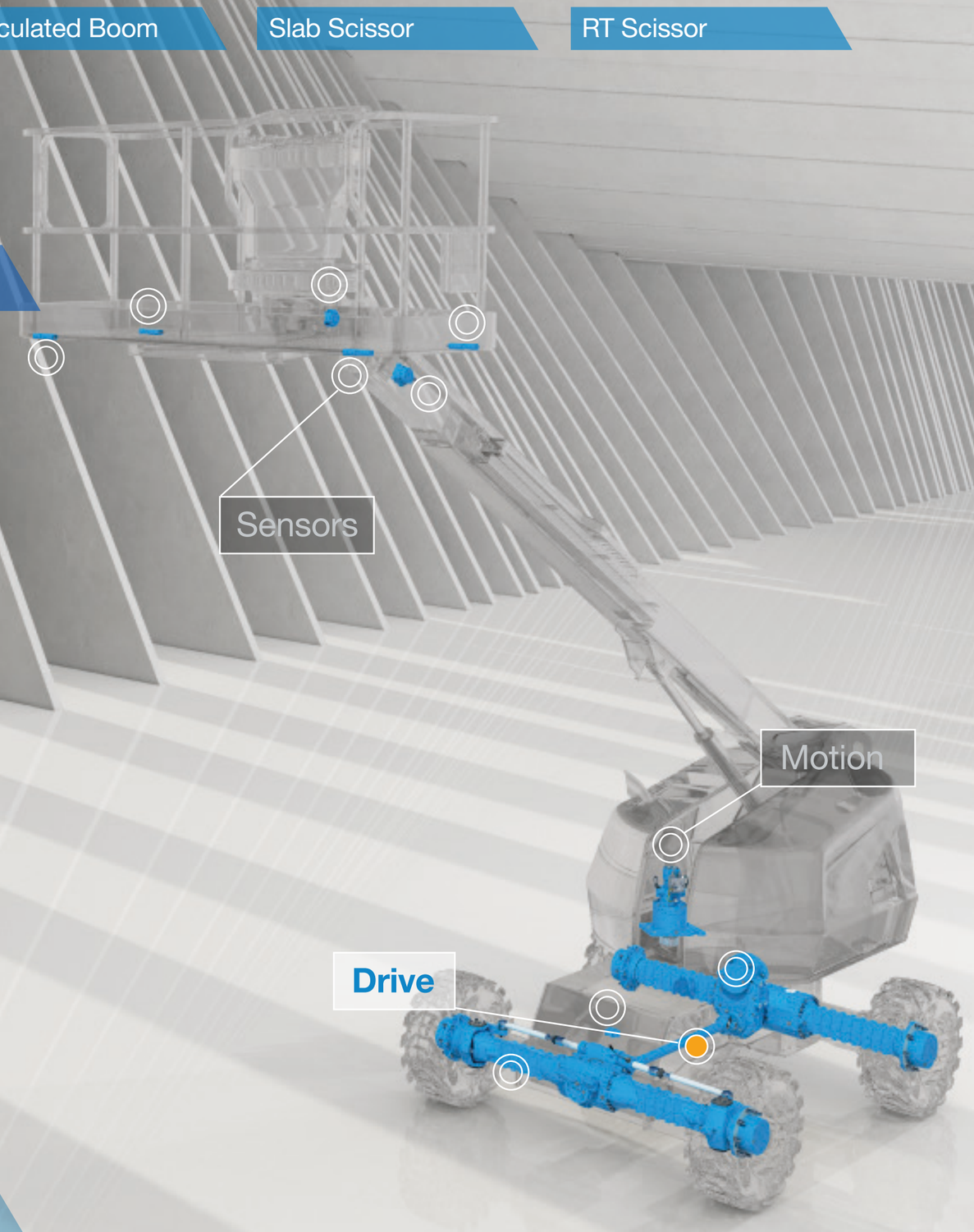
4 WHEEL DRIVE **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Key features and benefits

- Extended Spline Life
- Reduced Thrust Load under Pressure
- Lower Friction under Load
- Superior Needle Bearing Retention
- Easy to Service Universal Joints
- Extended or Permanent Lubrication available on request

Platform Size	Small	Medium	Large
Working Height [m]	9 to 16	18 to 21	22 to 30
Working Weight [ton]	up to 8	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series	10 Series



Telescopic Boom

Conventional \ Electrified

Drive \ Motion \ Sensors

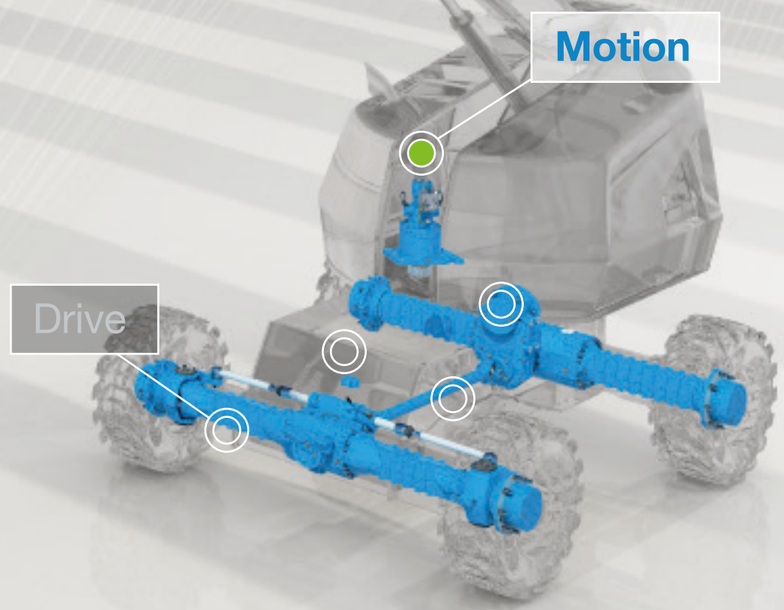
4 WHEEL DRIVE **CENTRAL DRIVE**

Brevini™ Slew Drive P Series with Brevini™ Orbital Motor

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A

Articulated Boom | Slab Scissor | RT Scissor

Sensors



Telescopic Boom

Conventional \ Electrified

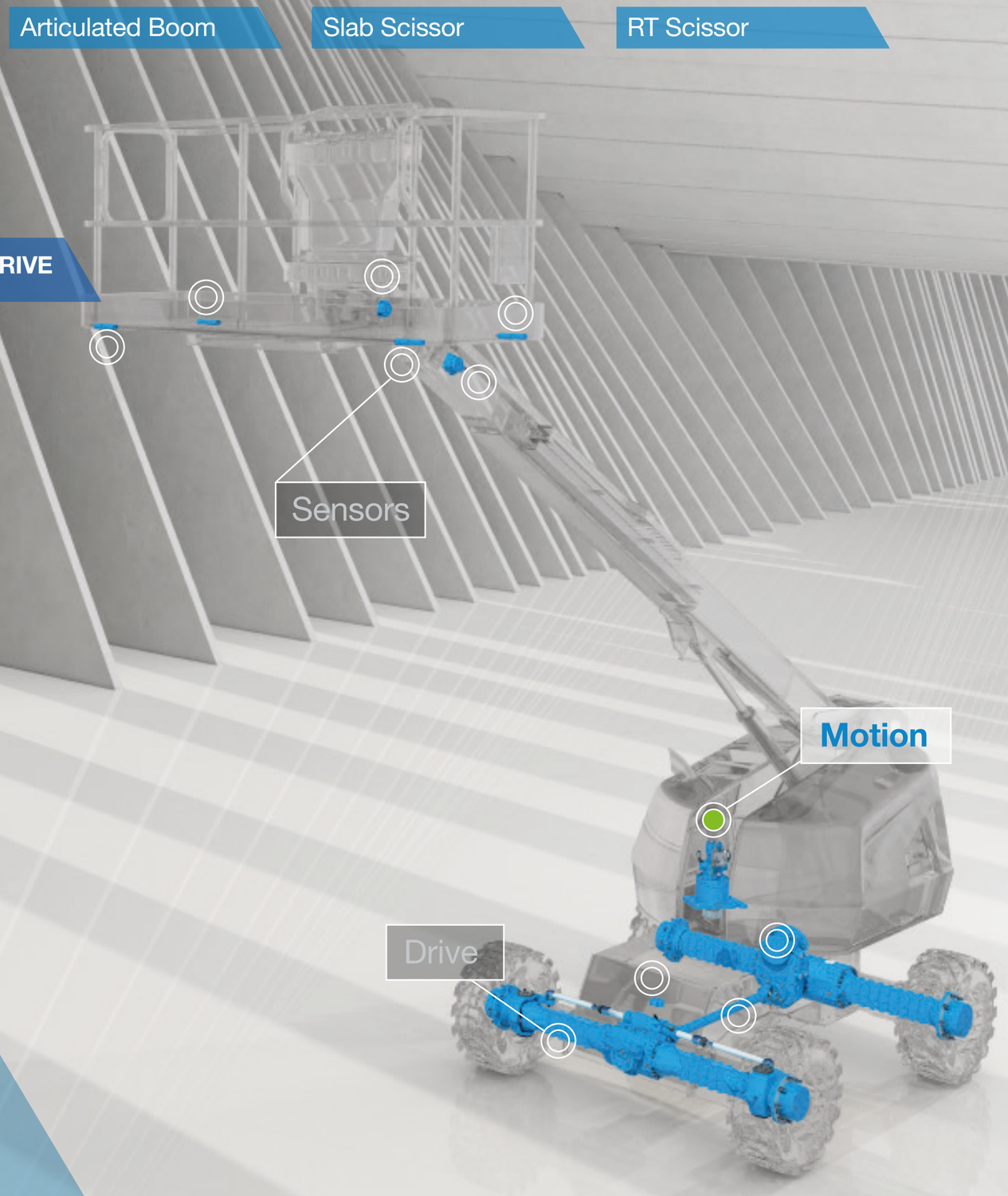
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Key features and benefits

- Complete solution with hydraulic orbital motor offering all-in-one solution for slew drives
- Plug and play assembly complete with lifting lugs
- 2-stage reduction with multiple ratios available
- Many pinion options available, custom pinion upon request

Platform Size	Small	Medium	Large	X-Large	XX-Large
Working Height [m]	9 to 16	18 to 21	22 to 30	32 to 40	> 40
Working Weight [ton]	up to 8	8 to 12	12 to 17	17 to 22	> 22
Brevini™ Slew Drive	Only motor	P1A	P1A	2 X P1A	2 X P1A



Telescopic Boom

Conventional \ Electrified

Drive \ Motion \ Sensors

4 WHEEL DRIVE

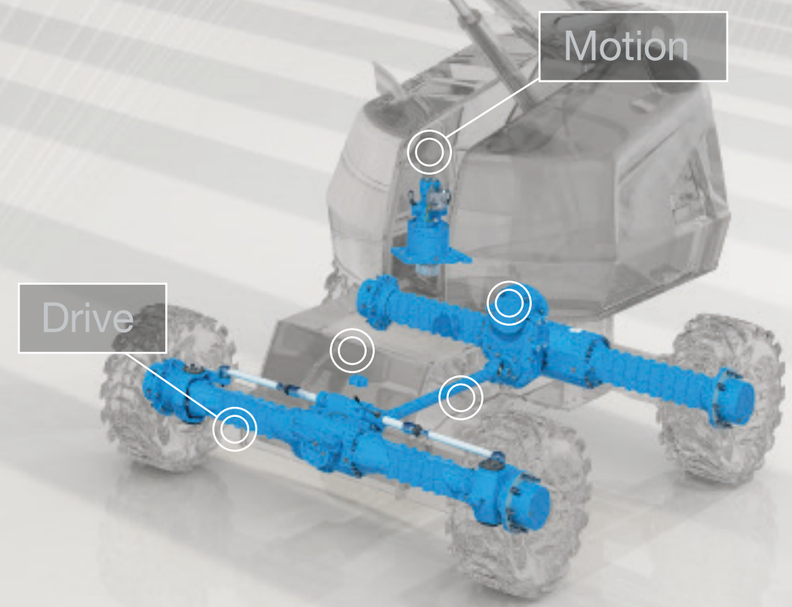
CENTRAL DRIVE

Articulated Boom | Slab Scissor | RT Scissor

Brevini™ electronic sensors
Boom Extension Transducer

Key features and benefits

- Waterproof robust and compact body
- 1 or 2 axis integrated inclinometer available
- Dual\redundant outputs available for PLd EN13849 safety systems
- Length up to 12.5 meter



Telescopic Boom

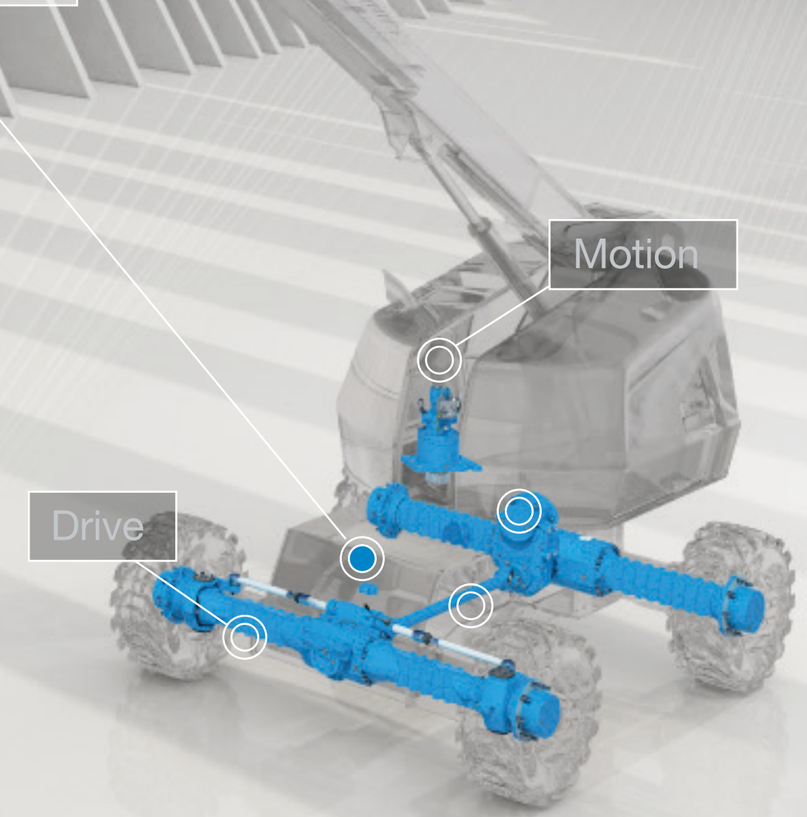
Conventional \ Electrified

4 WHEEL DRIVE **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Articulated Boom | Slab Scissor | RT Scissor

Sensors



Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available

Telescopic Boom

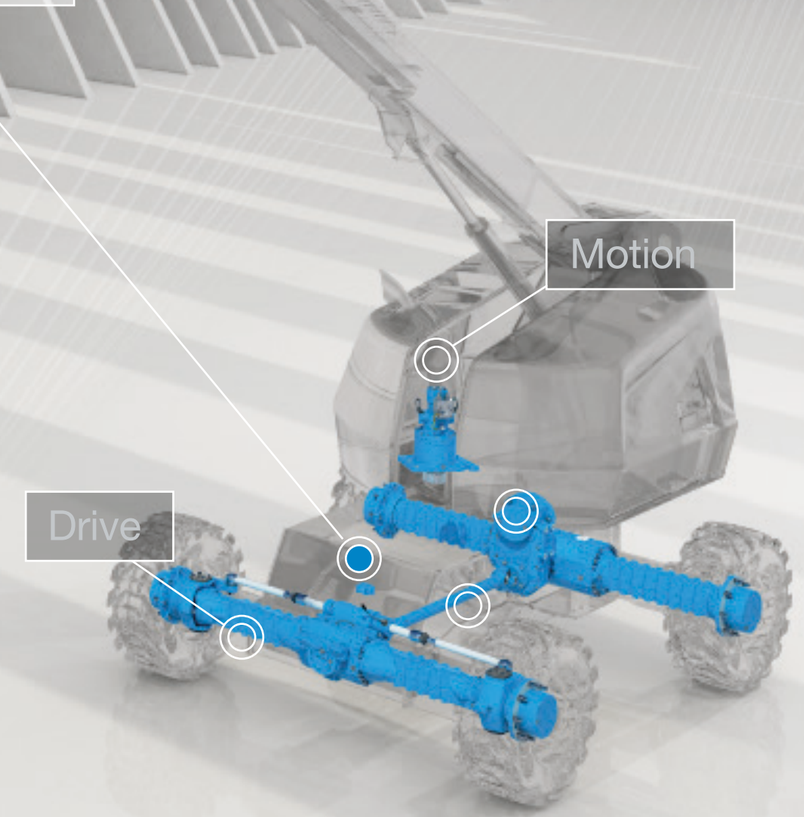
Conventional \ Electrified

4 WHEEL DRIVE **CENTRAL DRIVE**

Drive \ Motion \ Sensors

Articulated Boom | Slab Scissor | RT Scissor

Sensors



Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand

Telescopic Boom

Conventional \ Electrified

Drive \ Motion \ Sensors

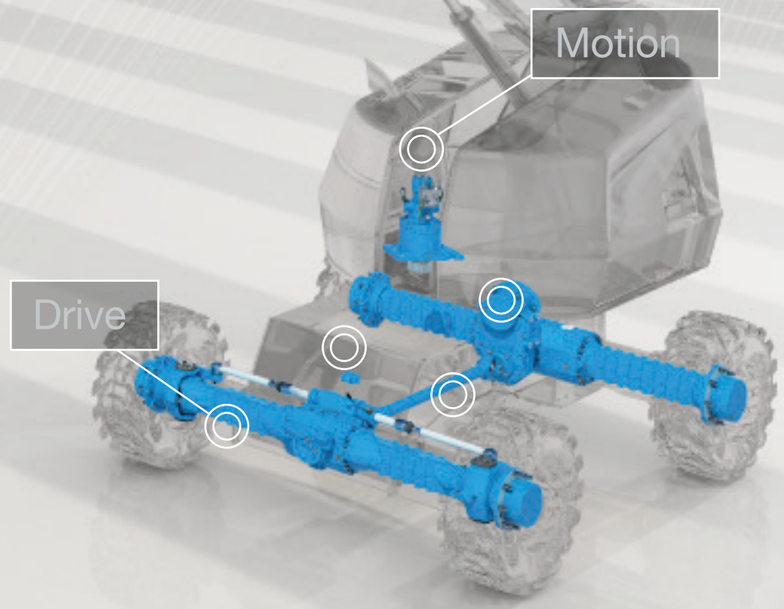
◎ 4 WHEEL DRIVE ● **CENTRAL DRIVE**

Articulated Boom | Slab Scissor | RT Scissor

Brevini™ electronic sensors
Load Sensor

Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available



Articulated Boom | Telescopic Boom | Slab Scissor

RT Scissor

Conventional \ **Electrified**

4 Wheel Drives

Propelling machines with two or four individual compact wheel drives that combine Spicer Torque-Hub™ planetary gearboxes with electric motors to provide optimum traction control when working on a job site.

Discover

Central Drive

By combining Spicer™ axles and centralized high efficiency gearboxes with electric motors. Our axle solutions can deliver the tractive effort required while maintaining axle supported machine designs.

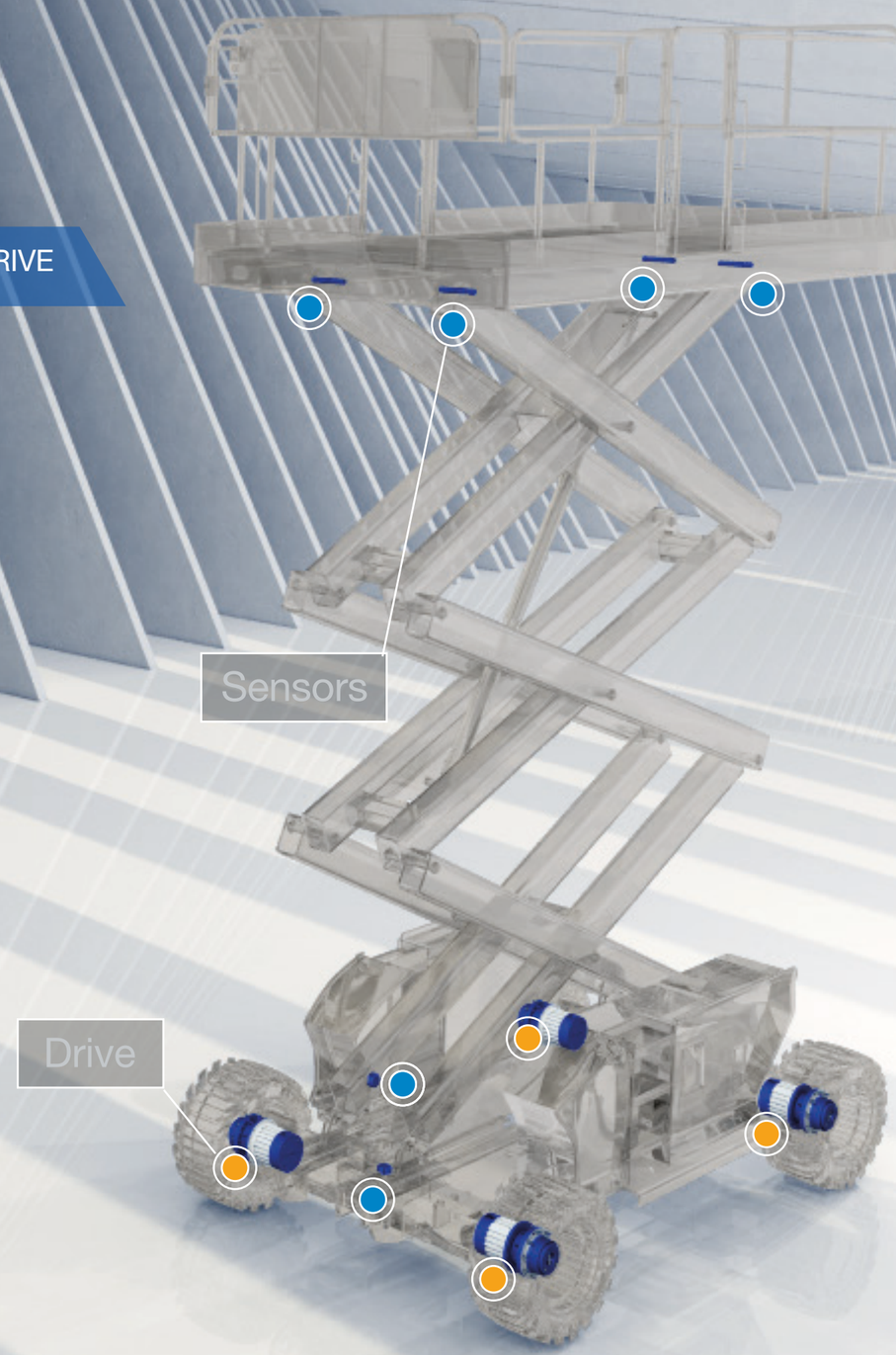
Discover

RT
Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Telescopic Boom | Slab Scissor



An electro-mechanical
system solution for drive,
with electronic sensors,
for greater efficiency with less size
and weight and long-life performance.

RT
Scissor

Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Spicer Electrified™
e-Drive Torque Hub eSAW Series

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
e-Drive Torque Hub	eSAW04	eSAW07

RT
Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Sensors

Articulated Boom | Telescopic Boom | Slab Scissor

Key features and benefits

- 2 sizes with torque outputs of 4kNm and 7kNm engineered to fulfill industry targets for performance, serviceability and durability
- Improves the performance with hybrid and fully electric drive systems
- Fully integrated electro-mechanical system
- Internal integrated electric parking brake design for maximum holding power

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
e-Drive Torque Hub	eSAW04	eSAW07

RT
Scissor

Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Key features and benefits

- IPM and ACIM Integrated advanced e-motor technologies for greater efficiency with compact size and weight
- Compact three-stage planetary gear design provides superior gradeability
- IP67 motor protection from environmental hazards
- Integrated motor options for design flexibility

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
e-Drive Torque Hub	eSAW04	eSAW07

RT
Scissor

Conventional \ **Electrified**

Drive \ Sensors

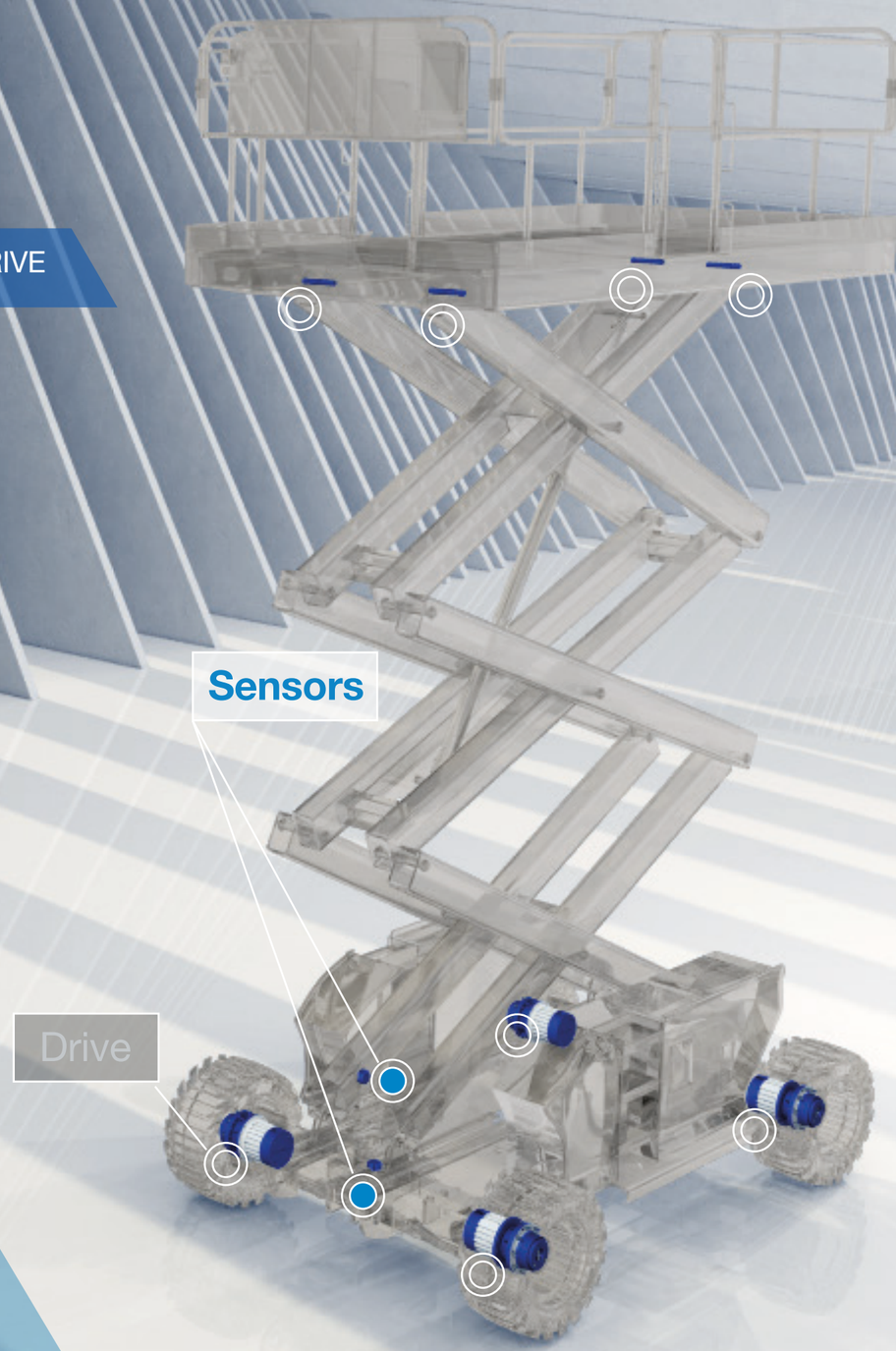
4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Telescopic Boom | Slab Scissor

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available



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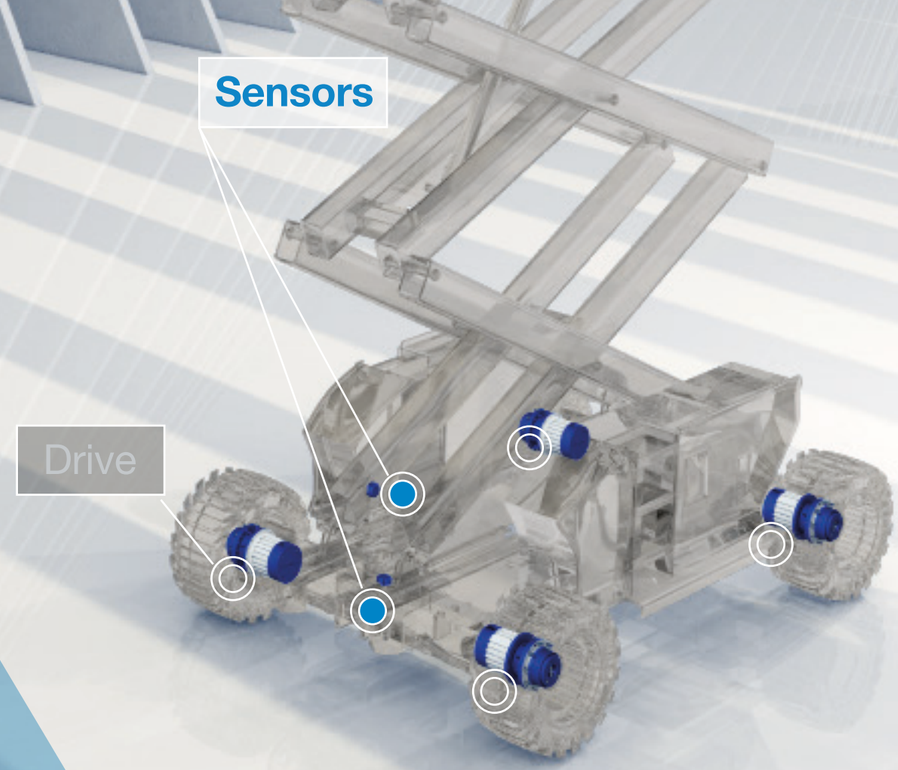
Drive \ Sensors

4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Telescopic Boom | Slab Scissor



Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand

RT
Scissor

Conventional \ **Electrified**

Drive \ Sensors

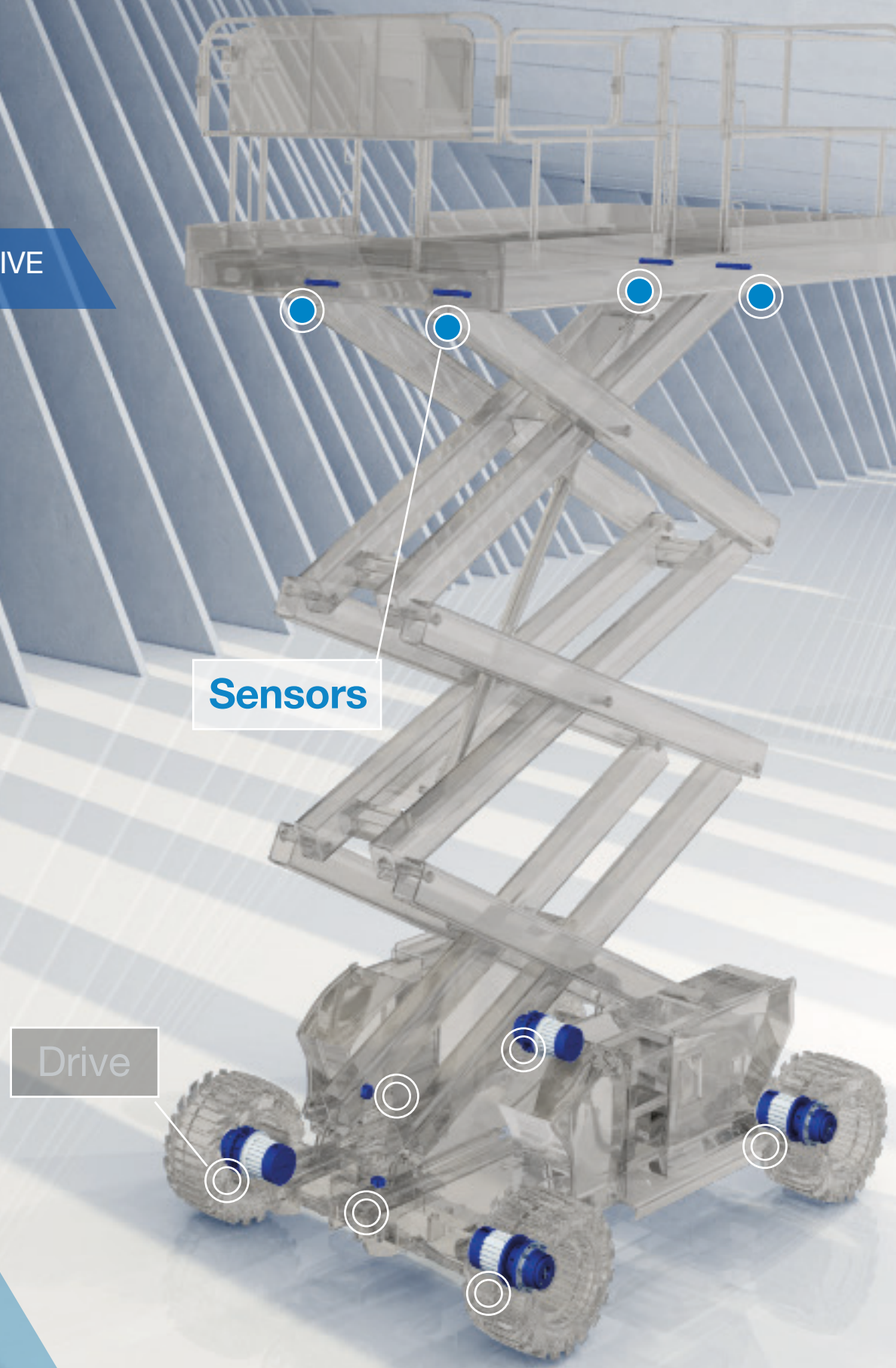
4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Telescopic Boom | Slab Scissor

Brevini™ electronic sensors
Load Sensor

Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available



Articulated Boom | Telescopic Boom | Slab Scissor

RT Scissor

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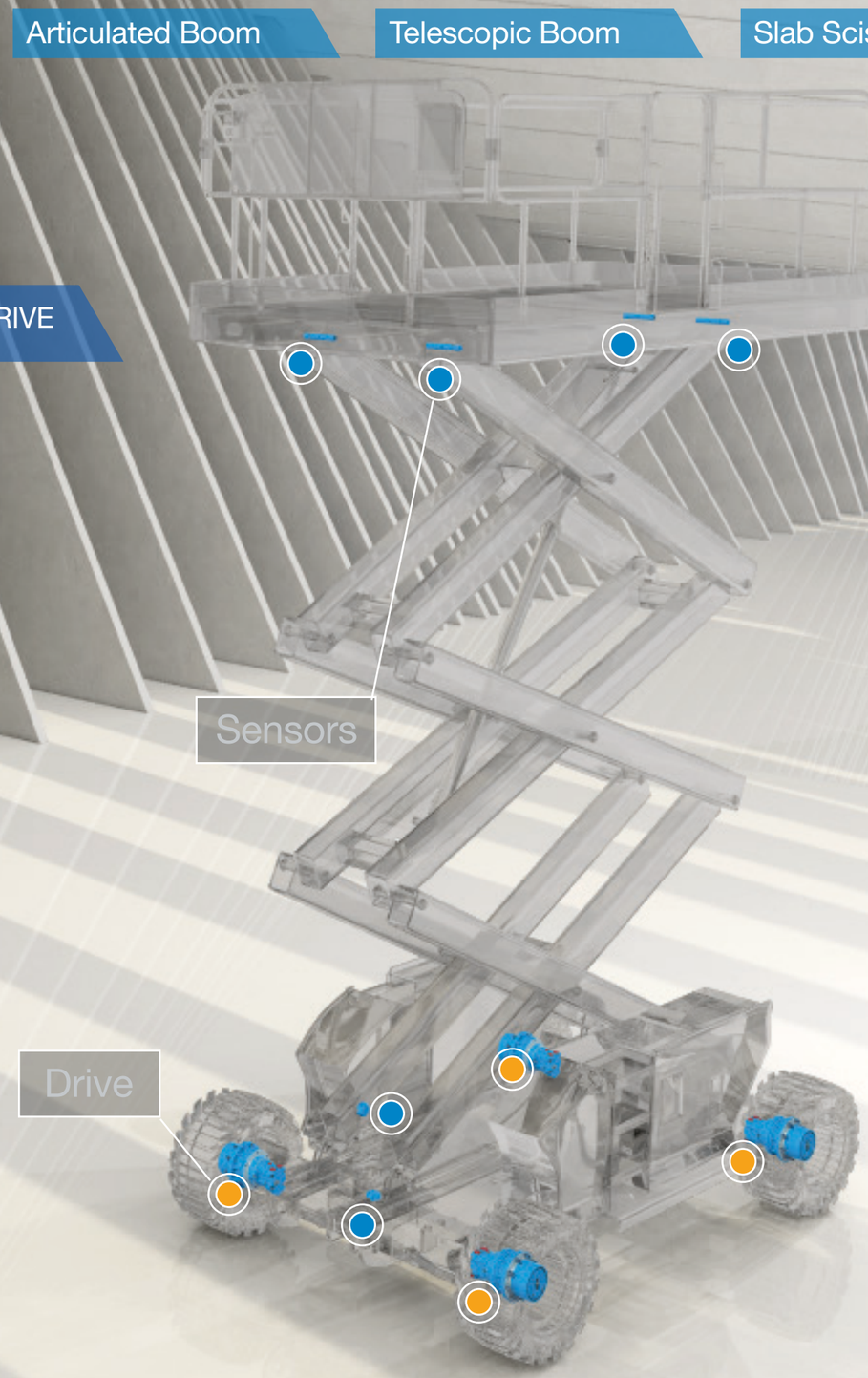
4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Telescopic Boom | Slab Scissor



A hydraulic system solution
for drive, combined with electronic
sensors, for greater efficiency
and performance.

RT
Scissor

Articulated Boom | **Telescopic Boom** | **Slab Scissor**

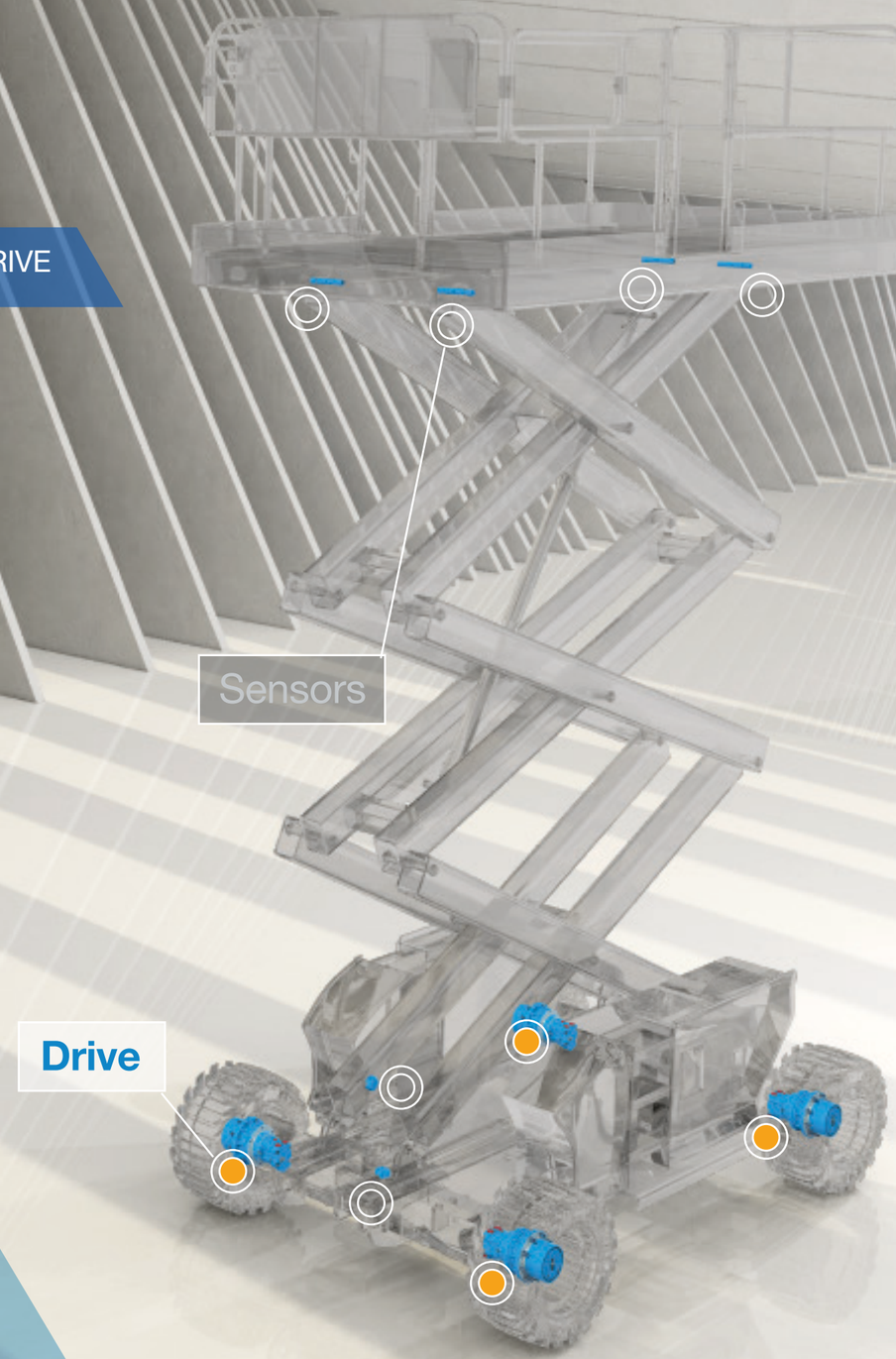
Conventional \ Electrified

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Spicer Torque-Hub™ H Series Wheel Drive

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer Torque-Hub™	4H	7H



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Scissor

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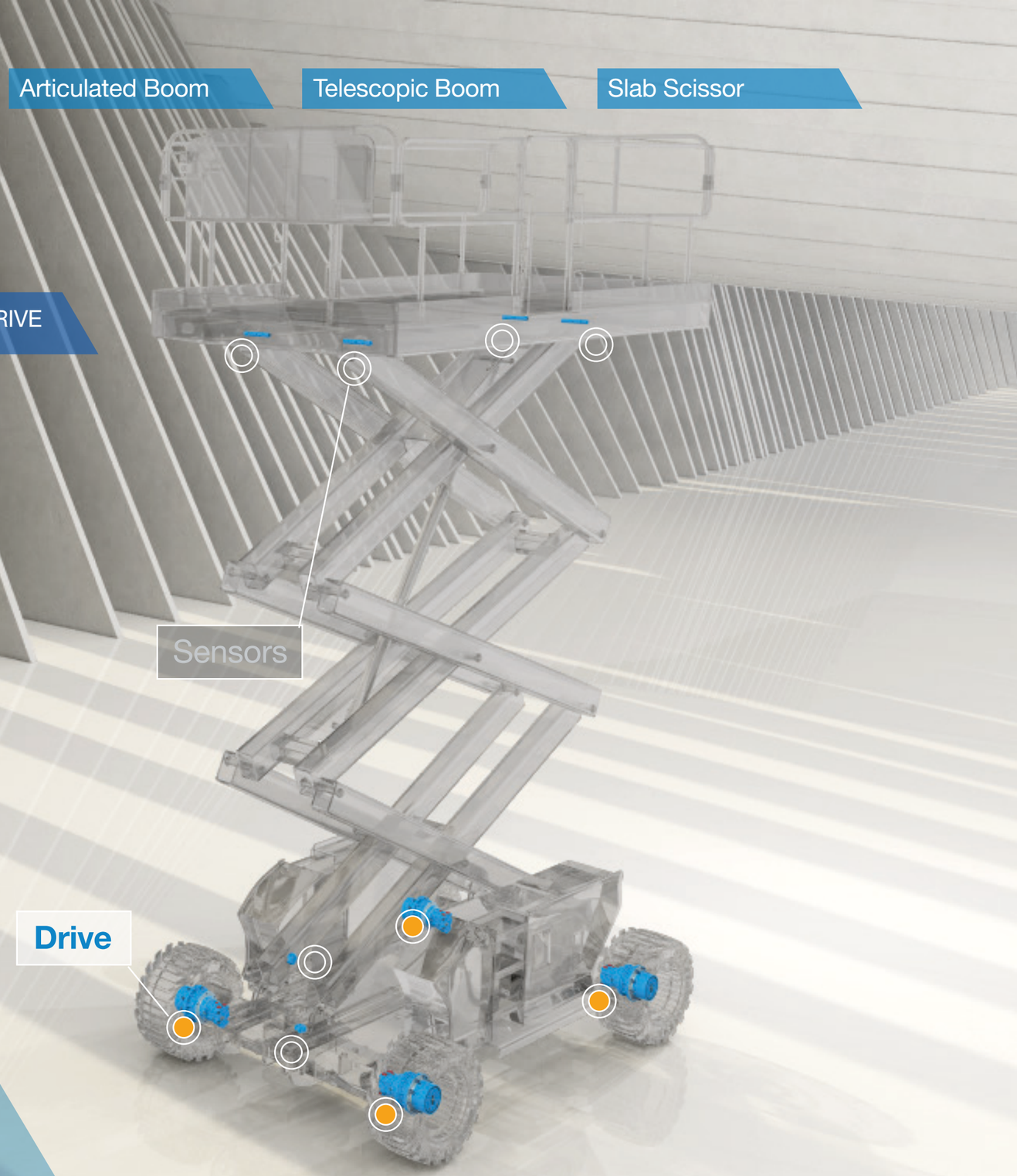
4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Sensors

Articulated Boom | Telescopic Boom | Slab Scissor



Key features and benefits

- Product range engineered for best-In-class efficiency
- Torque ratings from 4kNm to 7kNm engineered to maximize efficiency and reliability
- Deliver exceptional maneuverability and proven robustness to final drive
- Low maintenance requirements and easy to service

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer Torque-Hub™	4H	7H

RT
Scissor

Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ Electrified

4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Key features and benefits

- Sealing system, hub and spindle designed for severe environmental conditions
- Integrated parking brake to meet safety standards

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer Torque-Hub™	4H	7H

RT
Scissor

Conventional \ Electrified

Drive \ Sensors

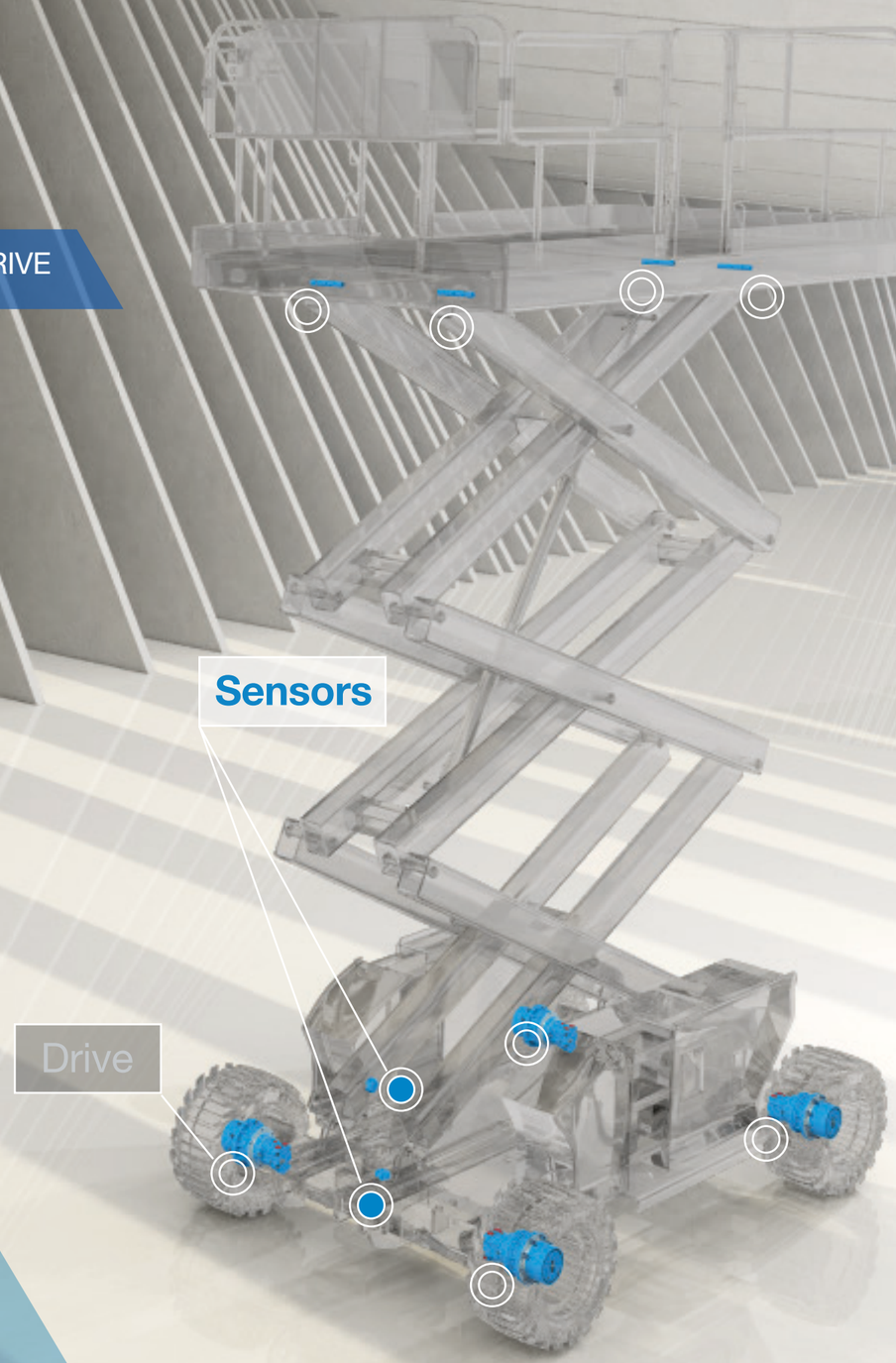
4 WHEEL DRIVE CENTRAL DRIVE

Articulated Boom | Telescopic Boom | Slab Scissor

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available



RT
Scissor

Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ Electrified

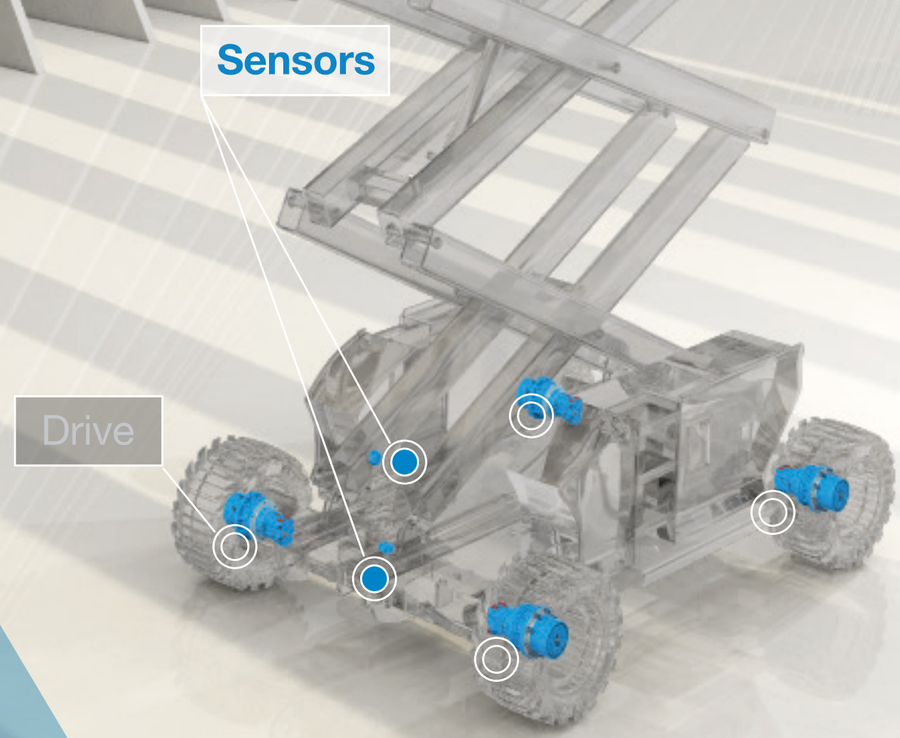
4 WHEEL DRIVE | CENTRAL DRIVE

Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand



RT
Scissor

Conventional \ Electrified

4 WHEEL DRIVE CENTRAL DRIVE

Drive \ Sensors

Articulated Boom | Telescopic Boom | Slab Scissor

Brevini™ electronic sensors
Load Sensor

Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available

RT
Scissor

Conventional \ **Electrified**

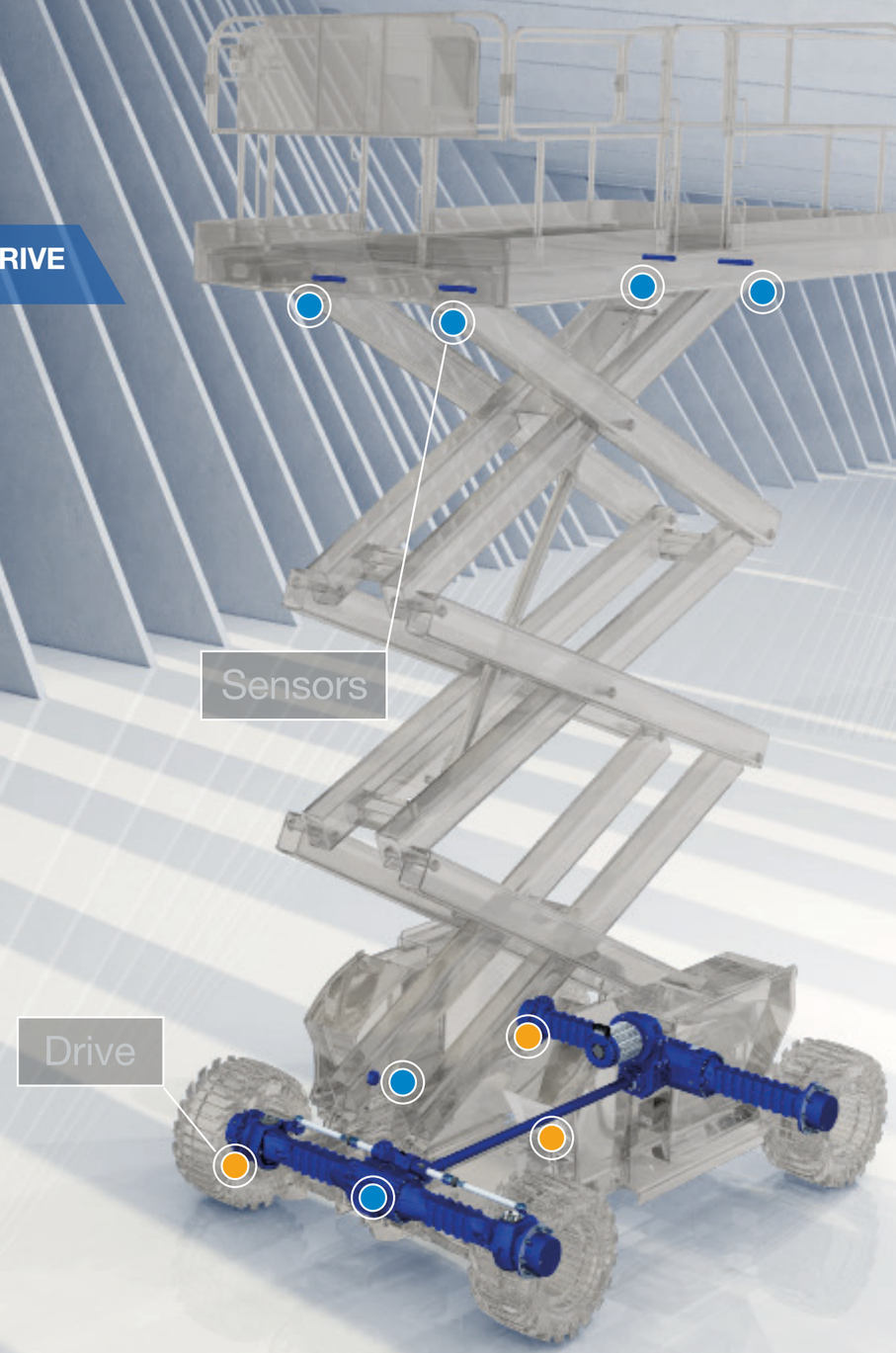
4 WHEEL DRIVE

CENTRAL DRIVE

Articulated Boom

Telescopic Boom

Slab Scissor



An electro-mechanical
system solution for drive,
with electronic sensors,
for greater efficiency with less size
and weight and long-life performance.

RT
Scissor

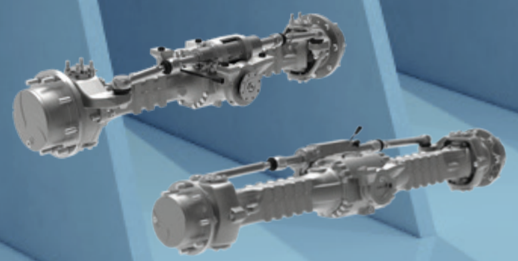
Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Spicer™
Front axle 211, 212



Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Front axle	211	212

Articulated Boom | Telescopic Boom | Slab Scissor

RT
Scissor

Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Key features and benefits

- Planetary steering axle
- High driveline efficiency
- Minimal impact on vehicle frame
- Easy, low-cost service, and maintenance
- Different hub reduction sizes

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Front axle	211	212

RT
Scissor

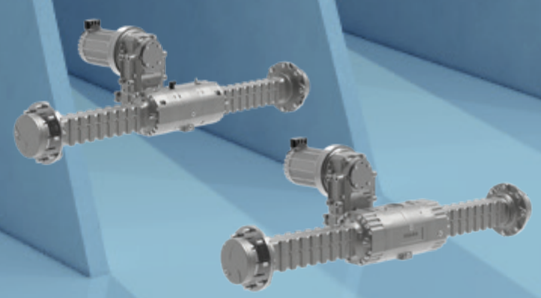
Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ **Electrified**

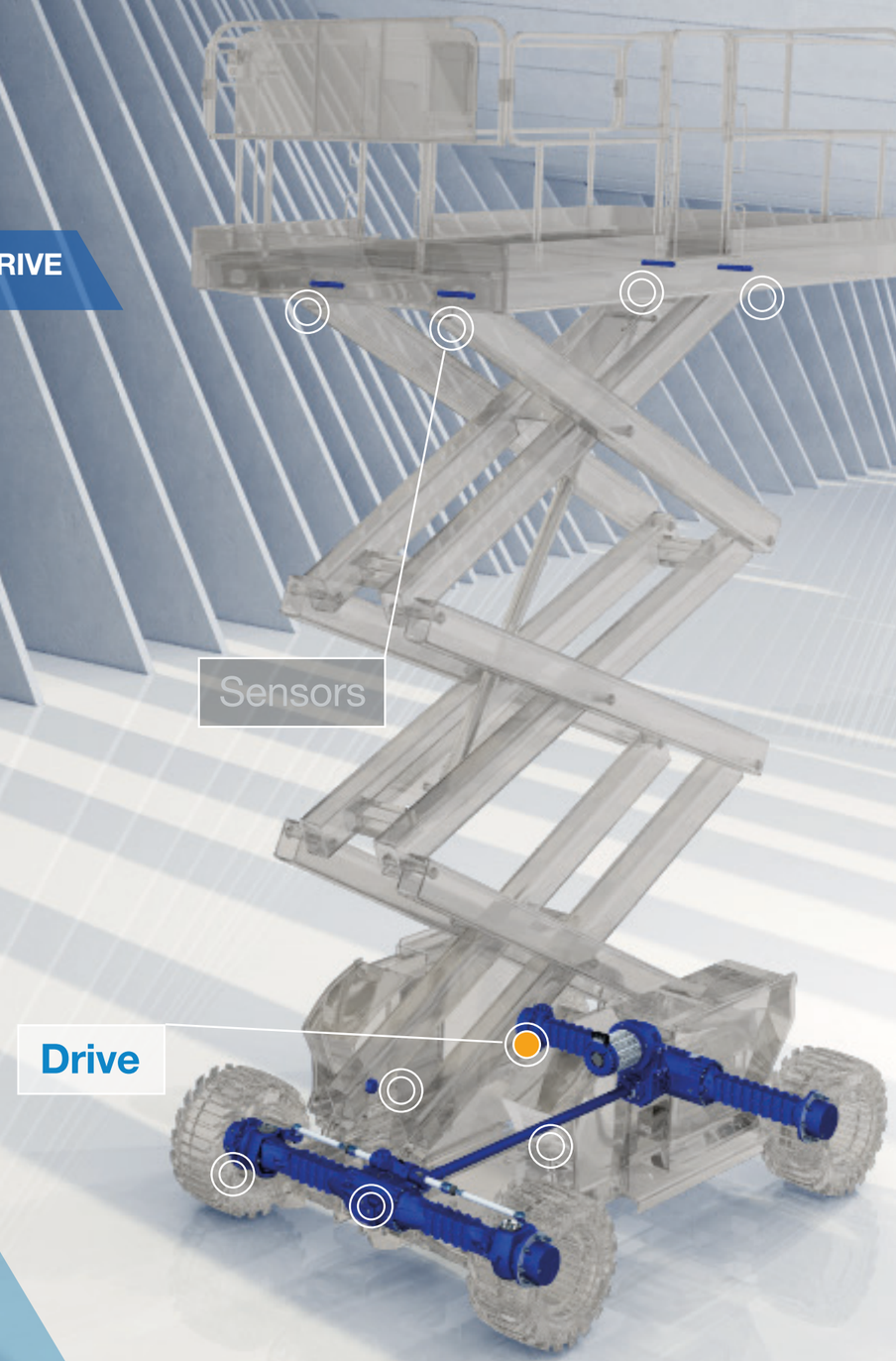
4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Spicer Electrified™ Rear e-Axle eS111, eS112 with Spicer™ eSG001 Dropbox and Electric Motor



Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer Electrified™ Rear e-Axle	eS111	eS112
Dropbox	eSG001	eSG001



RT
Scissor

Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Key features and benefits

- Planetary rigid axles, based on modular axle, driven by electric motor
- Available in a variety of configurations and ratios
- Single speed dropbox directly flanged to Spicer™ axles, designed to enhance vehicle mobility and allow for quick deployment from worksite to worksite

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer Electrified™ Rear e-Axle	eS111	eS112
Dropbox	eSG001	eSG001

RT
Scissor

Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Key features and benefits

- Optimized NVH and efficiency for electric applications
- Four-wheel drive engagement
- Optional electromagnetic spring applied parking brake
- Different electric motors technologies to meet performance requirements
- DC voltage range: 48 V to 96 V

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer Electrified™ Rear e-Axle	eS111	eS112
Dropbox	eSG001	eSG001

RT
Scissor

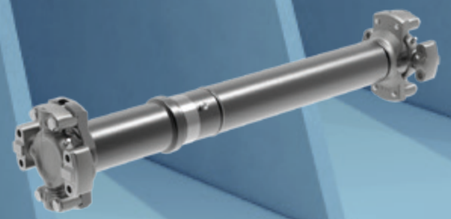
Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Spicer™ Driveshaft 10 Series



Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Driveshaft	10 Series	10 Series

Articulated Boom

Telescopic Boom

Slab Scissor

RT
Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

Telescopic Boom

Slab Scissor

Key features and benefits

- Extended Spline Life
- Reduced Thrust Load under Pressure
- Lower Friction under Load
- Superior Needle Bearing Retention
- Easy to Service Universal Joints
- Extended or Permanent Lubrication available on request

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Driveshaft	10 Series	10 Series

RT
Scissor

Conventional \ **Electrified**

Drive \ Sensors

4 WHEEL DRIVE

CENTRAL DRIVE

Articulated Boom

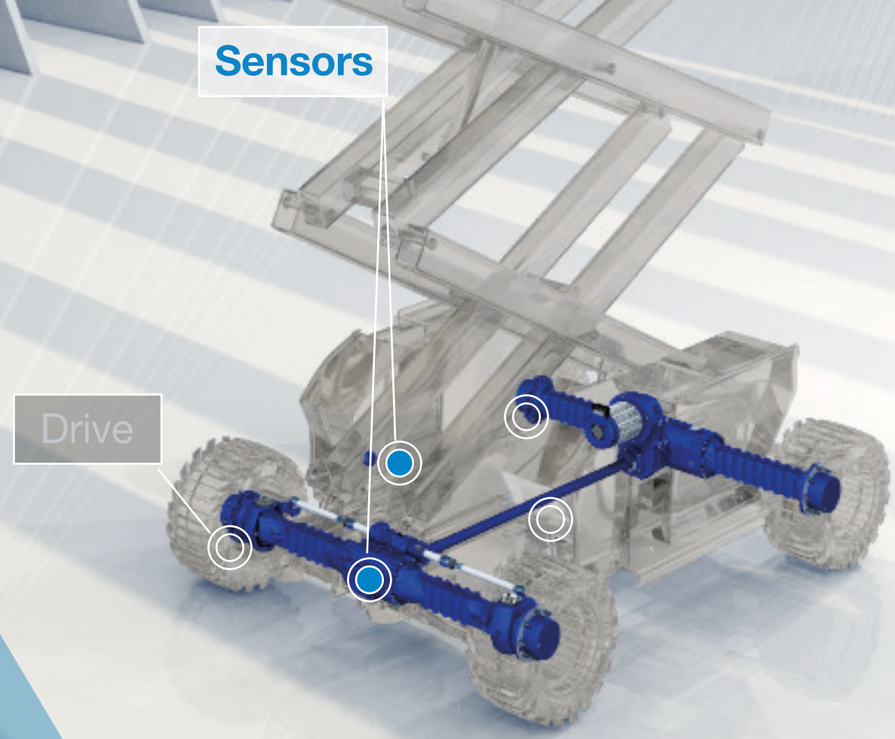
Telescopic Boom

Slab Scissor

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available



RT
Scissor

Conventional \ **Electrified**

Drive \ Sensors

4 WHEEL DRIVE

CENTRAL DRIVE

Articulated Boom

Telescopic Boom

Slab Scissor

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand

RT
Scissor

Conventional \ **Electrified**

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

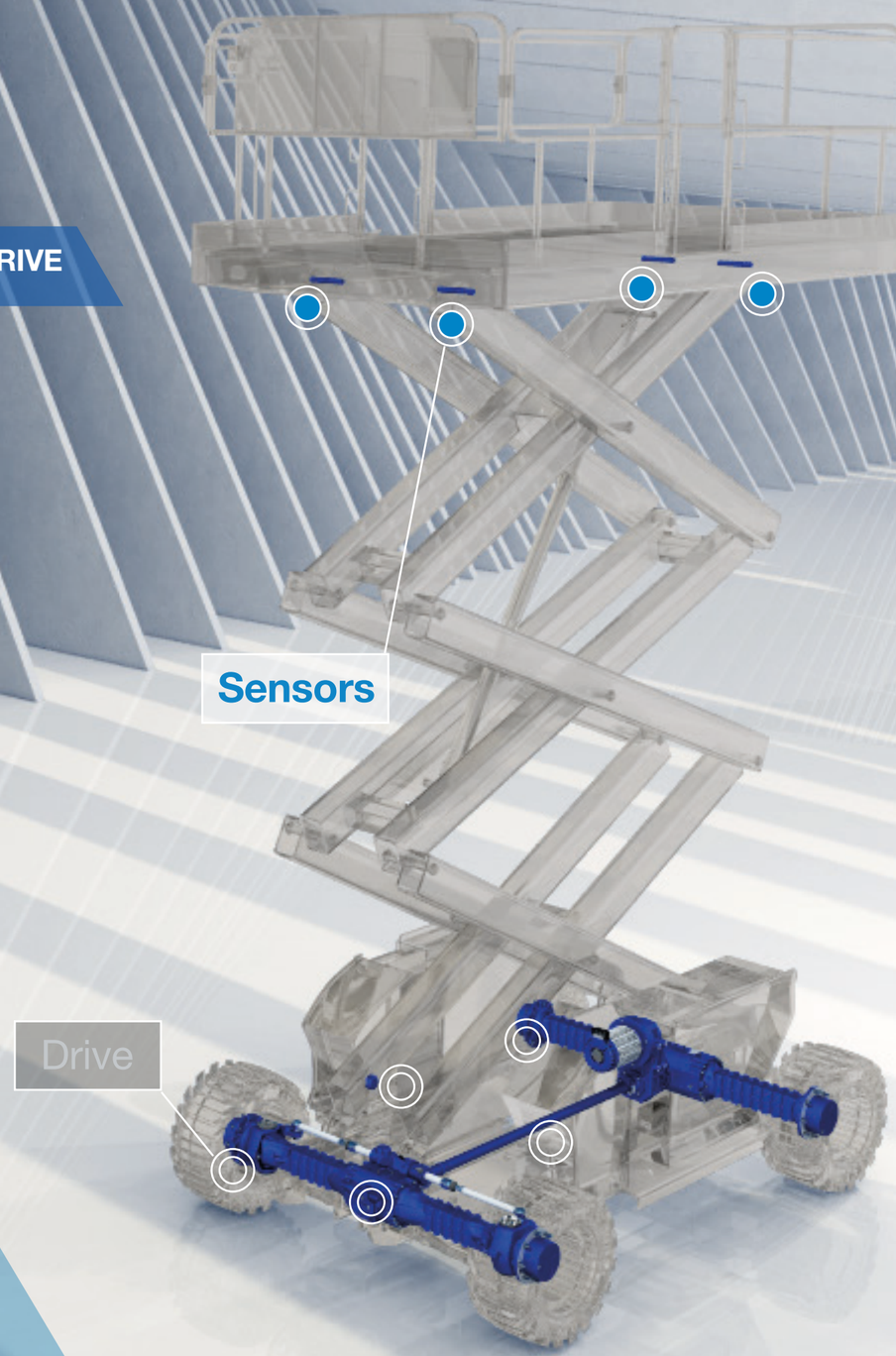
Telescopic Boom

Slab Scissor

Brevini™ electronic sensors
Load Sensor

Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available



RT
Scissor

Conventional \ Electrified

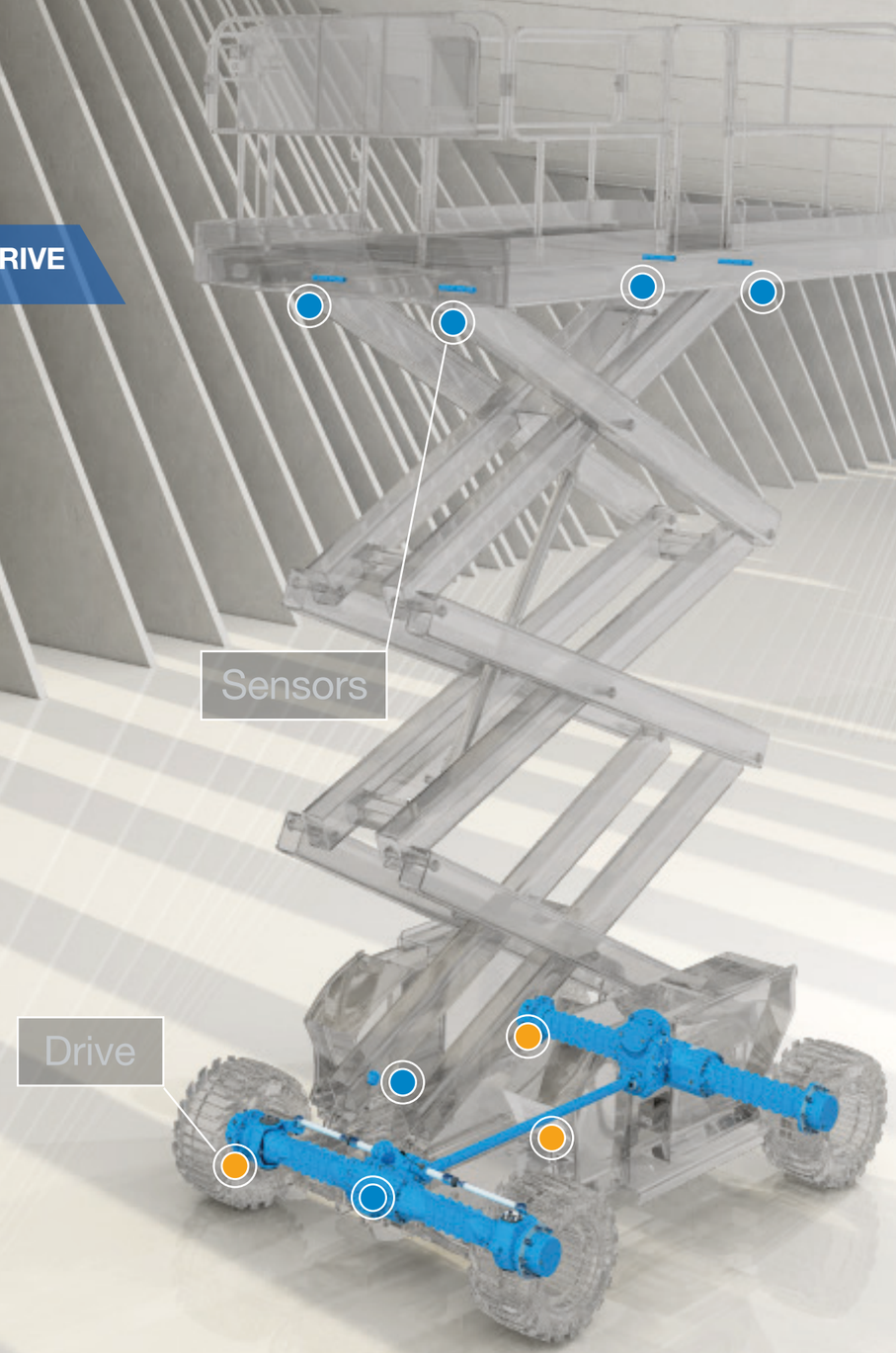
4 WHEEL DRIVE

CENTRAL DRIVE

Articulated Boom

Telescopic Boom

Slab Scissor



A hydraulic system solution
for drive, combined with electronic
sensors, for greater efficiency
and performance.

RT
Scissor

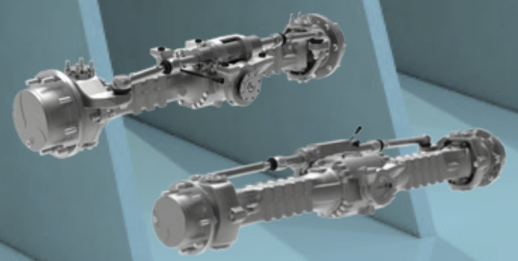
Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

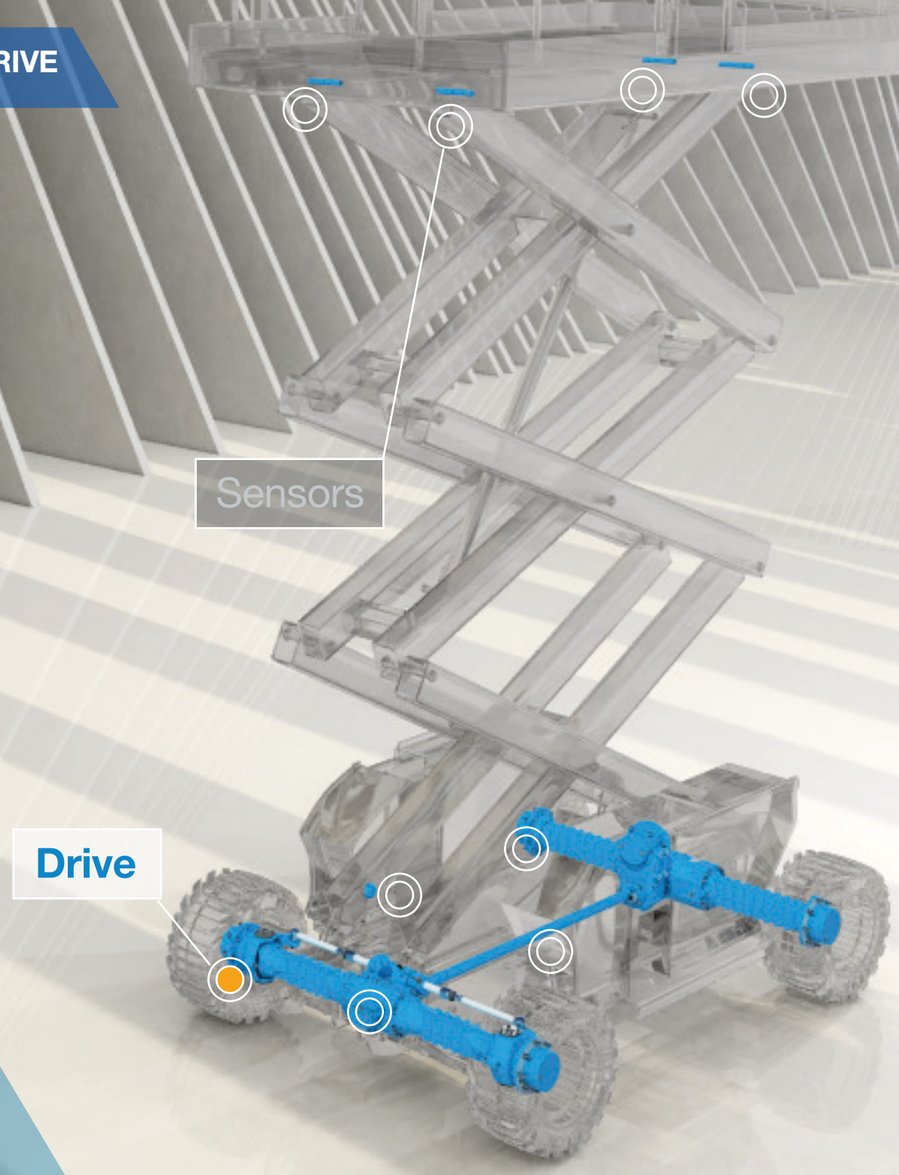
Drive \ Sensors

Articulated Boom | Telescopic Boom | Slab Scissor

Spicer™
Front axle 211, 212



Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Front axle	211	212



RT
Scissor

Conventional \ Electrified

4 WHEEL DRIVE

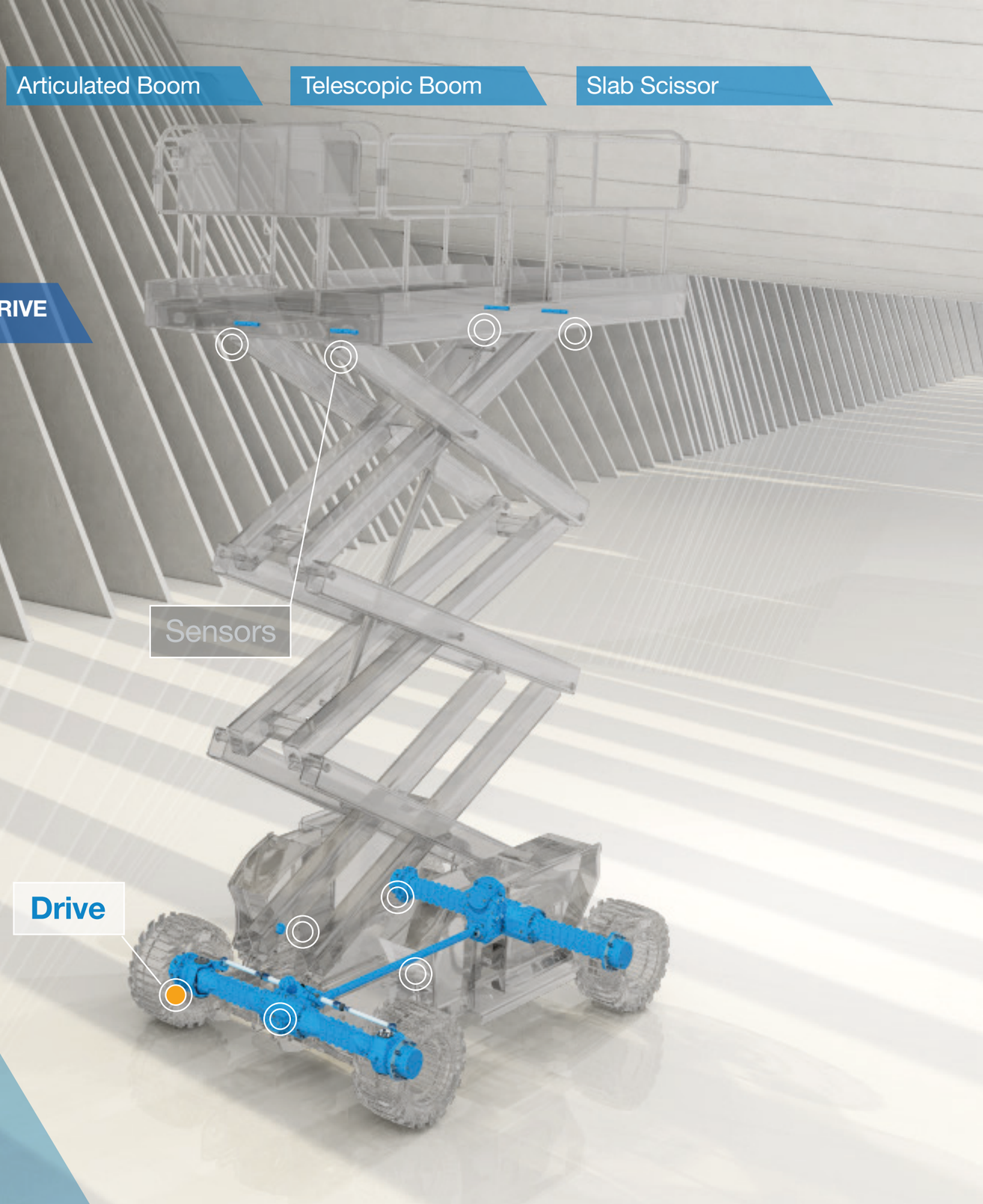
CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

Telescopic Boom

Slab Scissor



Key features and benefits

- Planetary steering axle
- High driveline efficiency
- Minimal impact on vehicle frame
- Easy, low-cost service, and maintenance
- Different hub reduction sizes

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Front axle	211	212

RT
Scissor

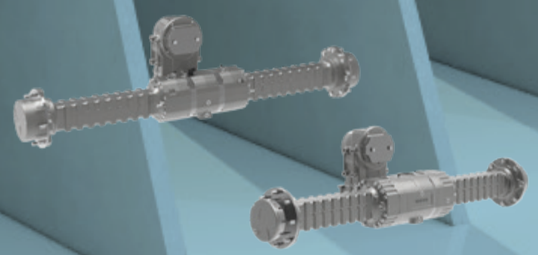
Conventional \ Electrified

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Spicer™ Rear axle 111, 112 with Spicer™ 301 Dropbox and Hydraulic Motor



Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Rear axle	111	112
Dropbox	301	301

Articulated Boom

Telescopic Boom

Slab Scissor

Sensors

Drive

RT
Scissor

Conventional \ Electrified

4 WHEEL DRIVE

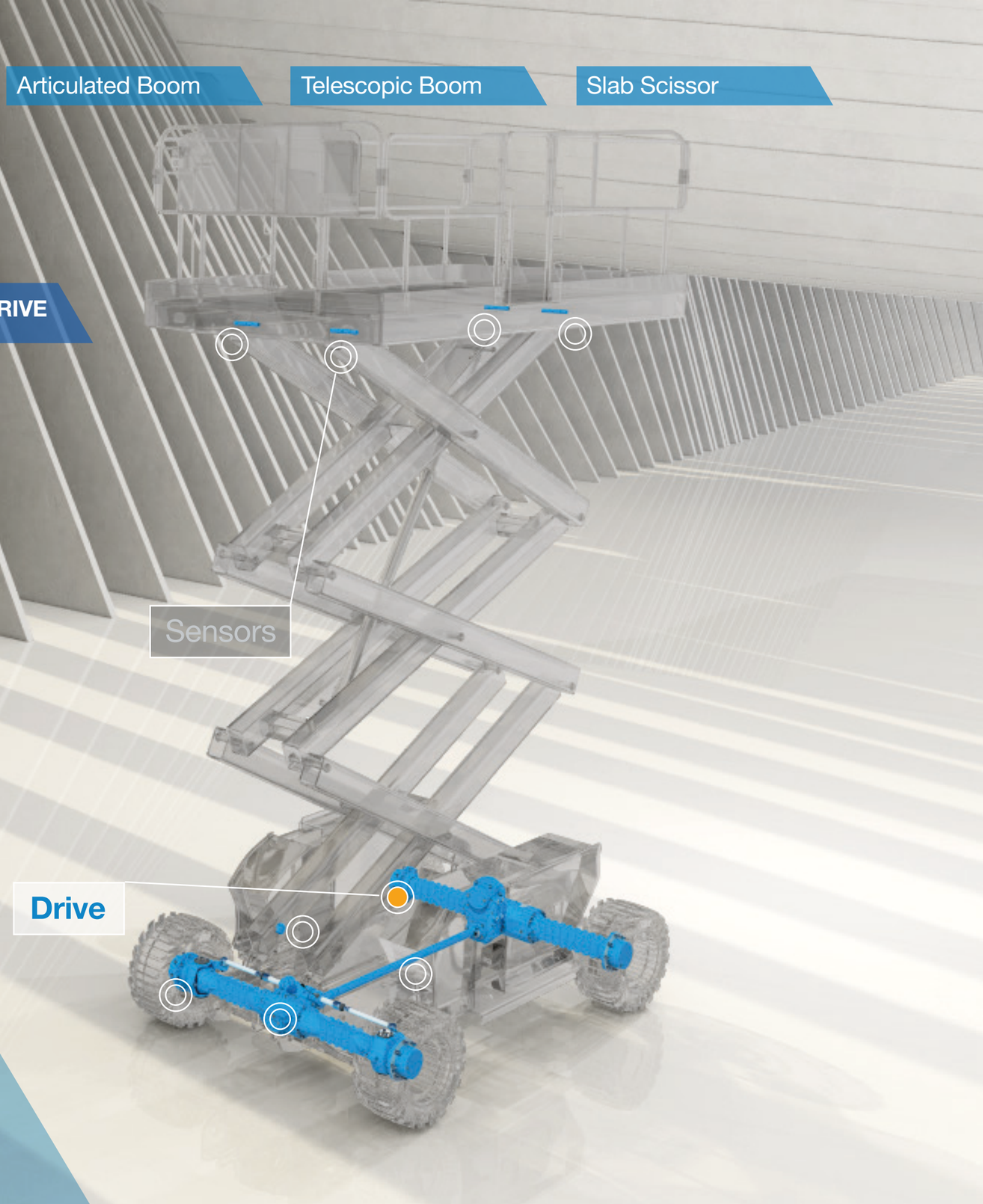
CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

Telescopic Boom

Slab Scissor



Key features and benefits

- Planetary rigid axles, based on modular axle, driven by hydraulic motor
- Available in a variety of configurations and ratios
- Single speed dropbox directly flanged to Spicer™ axles, designed to enhance vehicle mobility and allow for quick deployment from worksite to worksite
- Optimized NVH and efficiency

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Rear axle	111	112
Dropbox	301	301

RT
Scissor

Conventional \ Electrified

4 WHEEL DRIVE

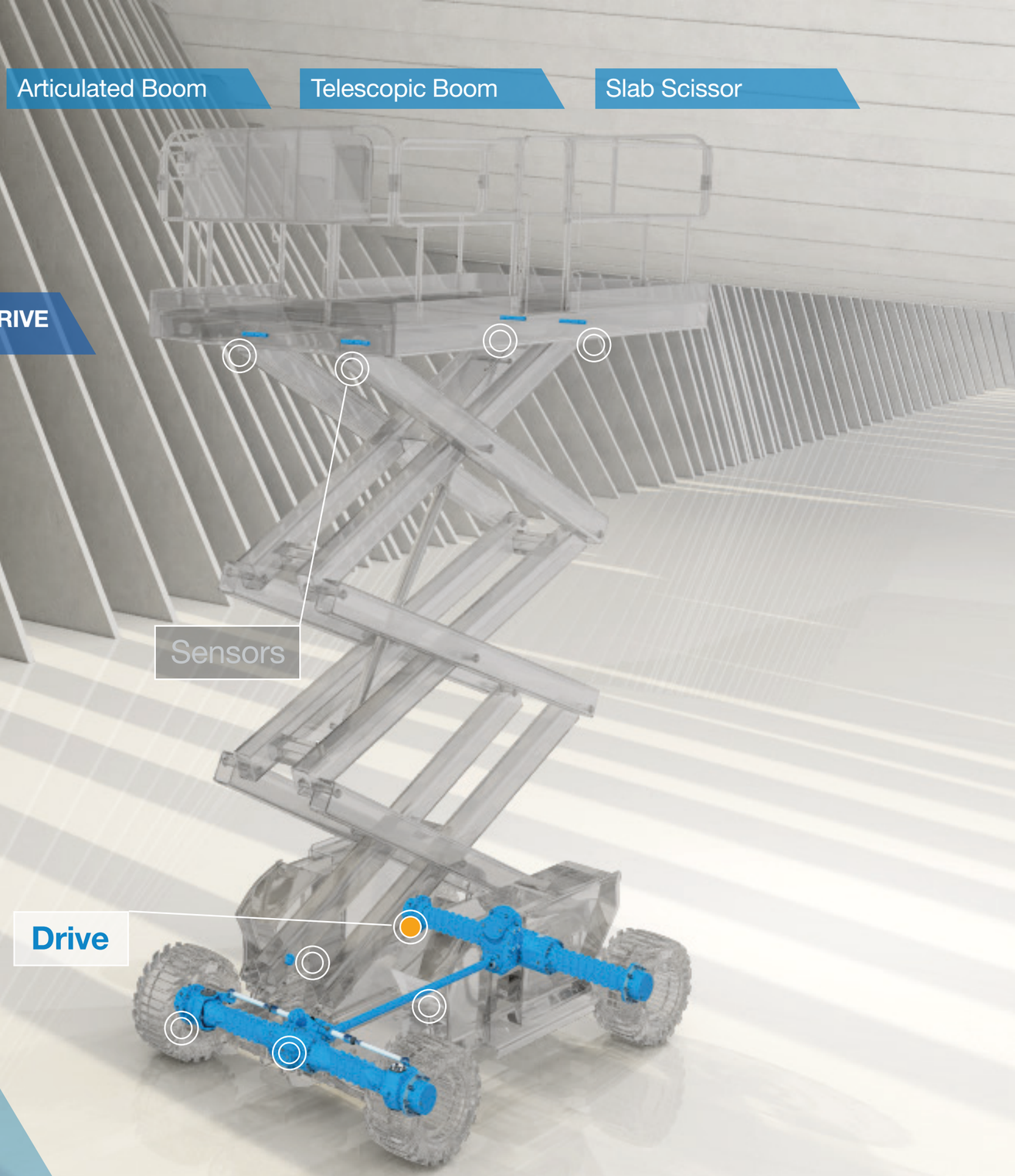
CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

Telescopic Boom

Slab Scissor



Key features and benefits

- Four-wheel drive engagement
- Optional electromagnetic spring applied parking brake

Platform Size	Medium	Large
Working Height [m]	9 to 12	12 to 18
Working Weight [ton]	3 to 8	8 to 12
Spicer™ Rear axle	111	112
Dropbox	301	301

RT
Scissor

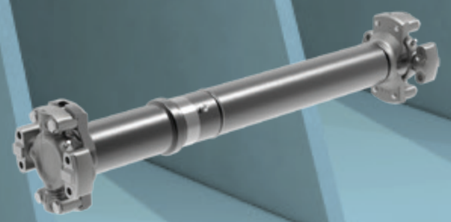
Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

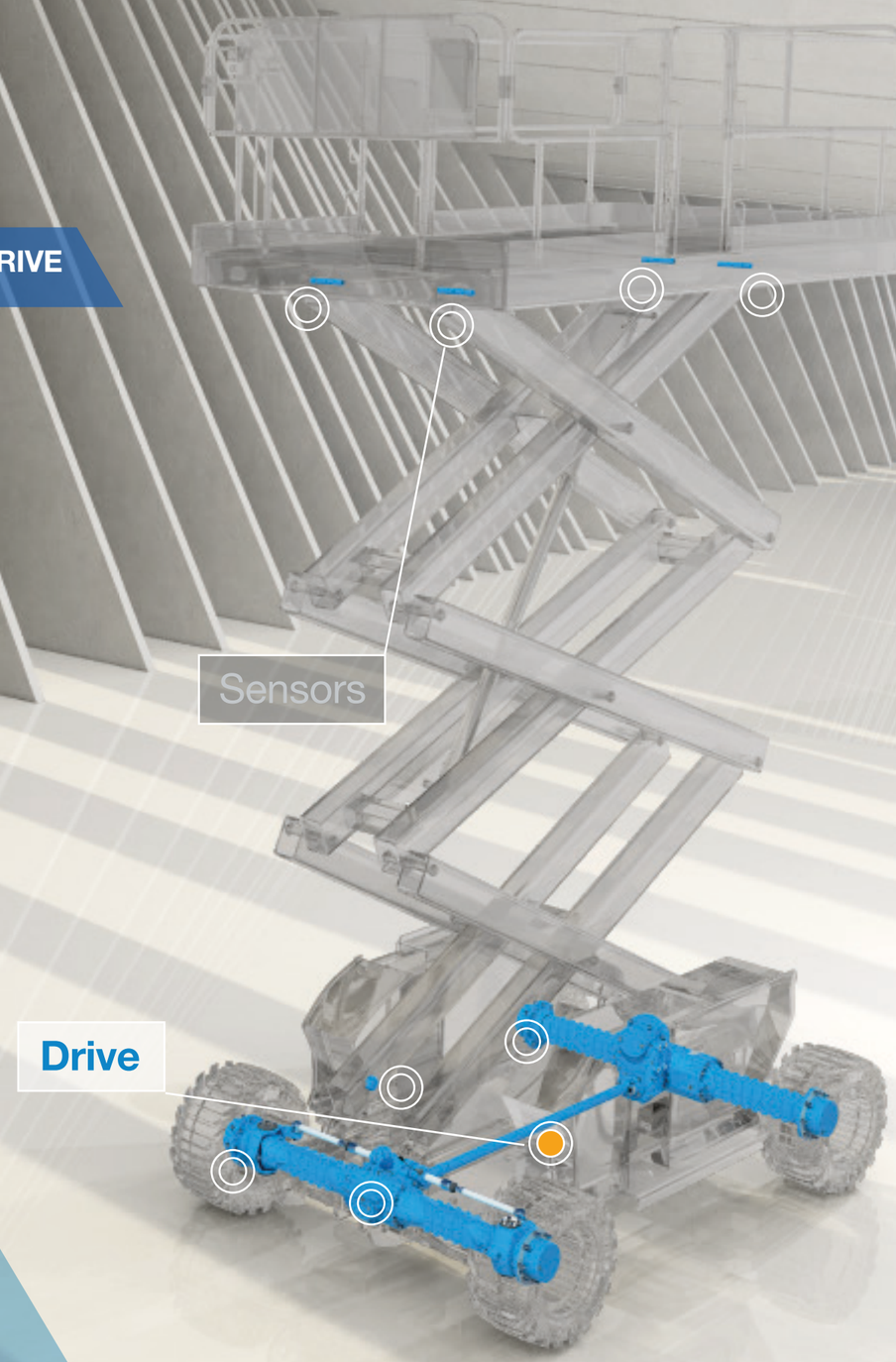
Drive \ Sensors

Articulated Boom | Telescopic Boom | Slab Scissor

Spicer™ Driveshaft 10 Series



Platform Size	Medium	Large
Working Height [m]	18 to 21	22 to 30
Working Weight [ton]	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series



RT
Scissor

Conventional \ Electrified

4 WHEEL DRIVE

CENTRAL DRIVE

Drive \ Sensors

Articulated Boom

Telescopic Boom

Slab Scissor

Key features and benefits

- Extended Spline Life
- Reduced Thrust Load under Pressure
- Lower Friction under Load
- Superior Needle Bearing Retention
- Easy to Service Universal Joints
- Extended or Permanent Lubrication available on request

Platform Size	Medium	Large
Working Height [m]	18 to 21	22 to 30
Working Weight [ton]	8 to 12	12 to 17
Spicer™ Driveshaft	10 Series	10 Series

RT
Scissor

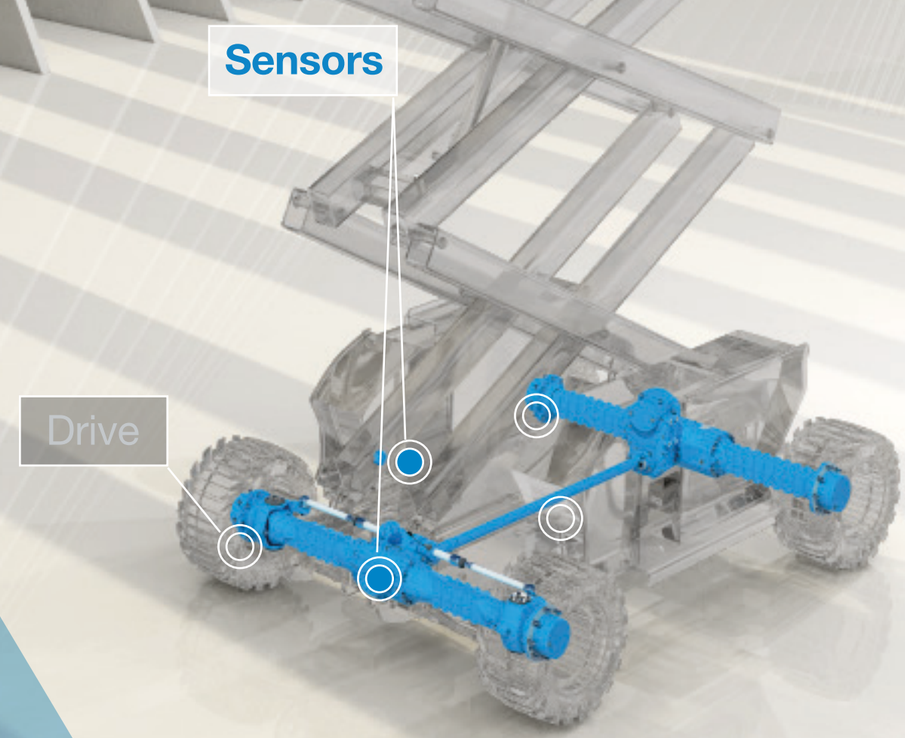
Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer



Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available

RT
Scissor

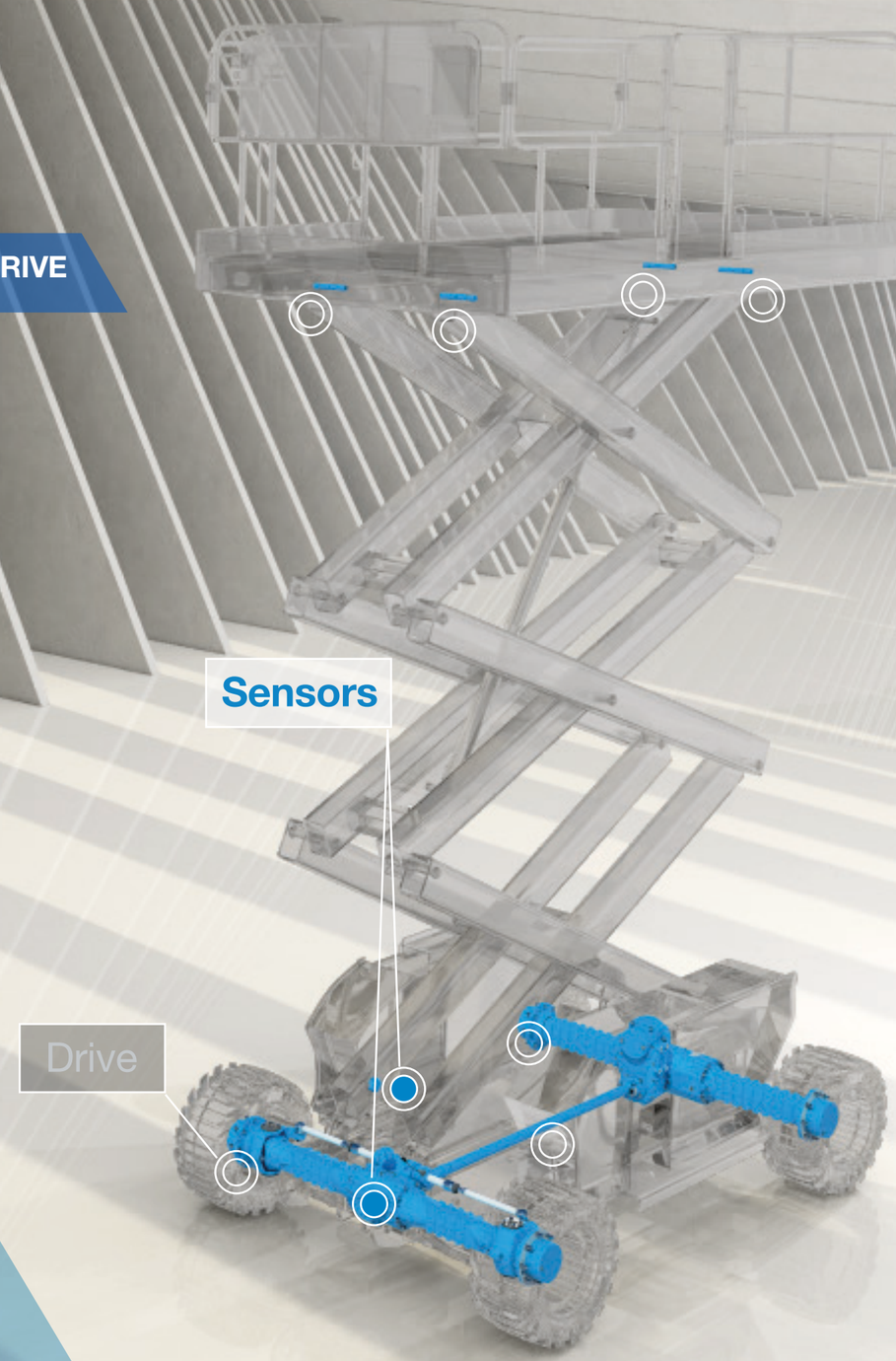
Articulated Boom | Telescopic Boom | Slab Scissor

Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer



Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand

RT
Scissor

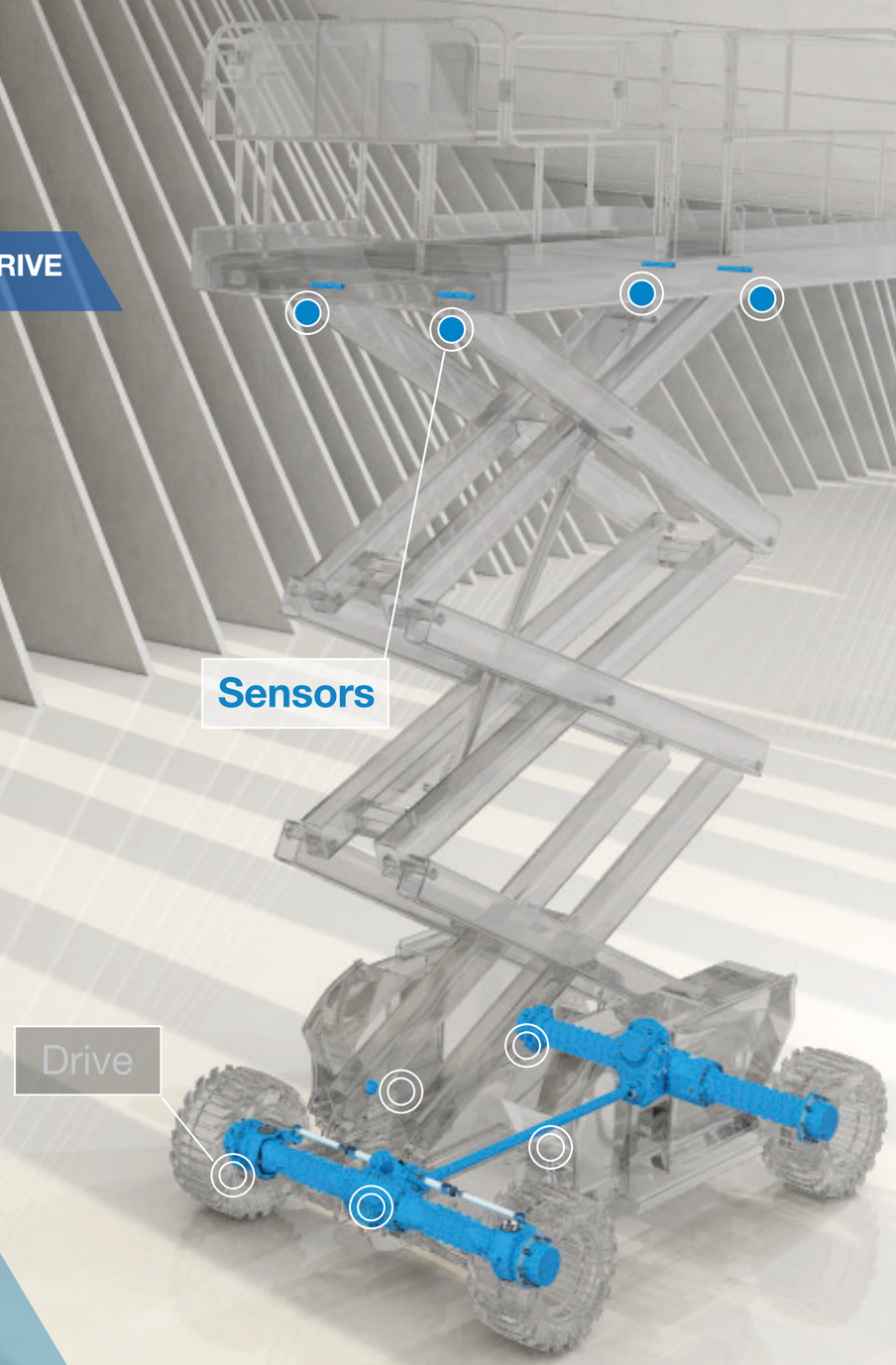
Conventional \ Electrified

4 WHEEL DRIVE | **CENTRAL DRIVE**

Drive \ Sensors

Articulated Boom | Telescopic Boom | Slab Scissor

Brevini™ electronic sensors
Load Sensor



Key features and benefits

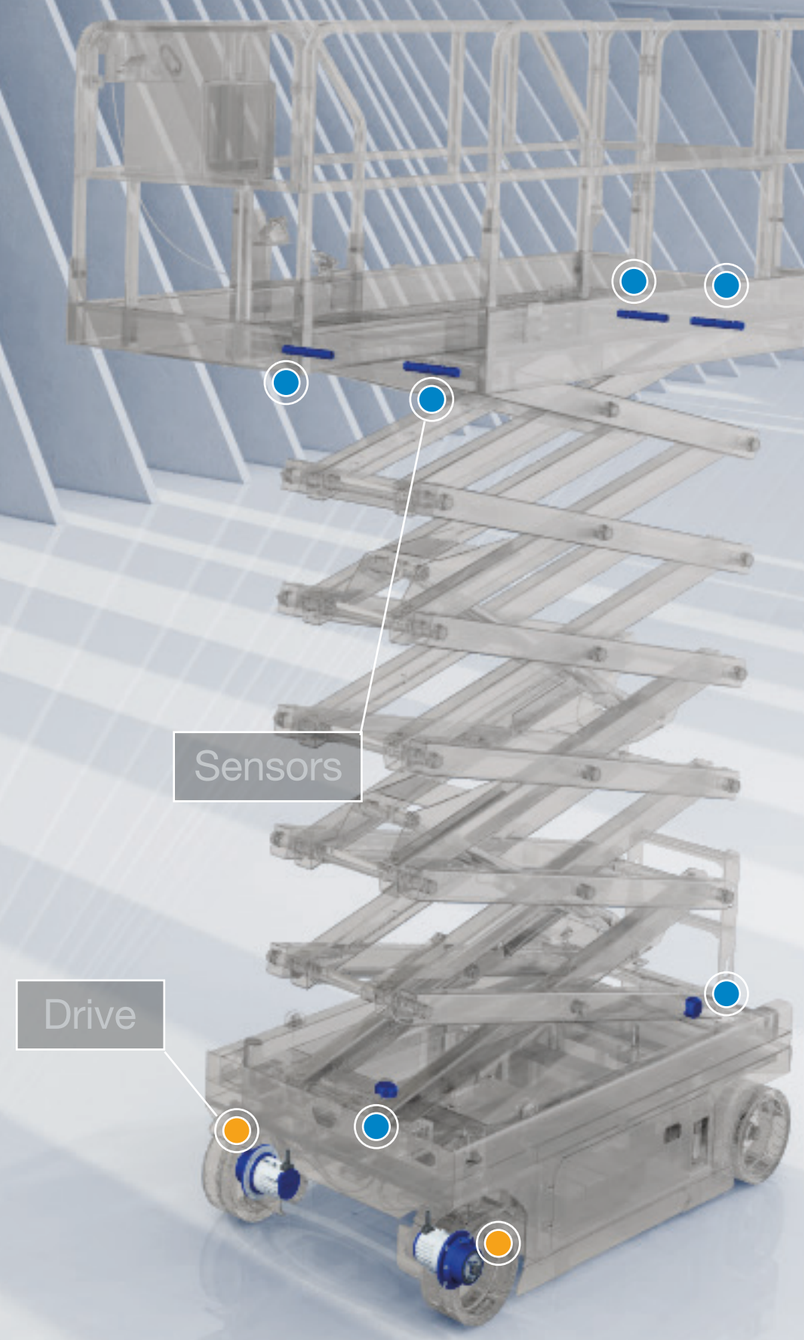
- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available

Slab
Scissor

Electrified

2 WHEEL DRIVE

Articulated Boom | Telescopic Boom | RT Scissor



An electro-mechanical
system solution for drive,
with electronic sensors,
for greater efficiency with less size
and weight and long-life performance.

Slab Scissor

Electrified

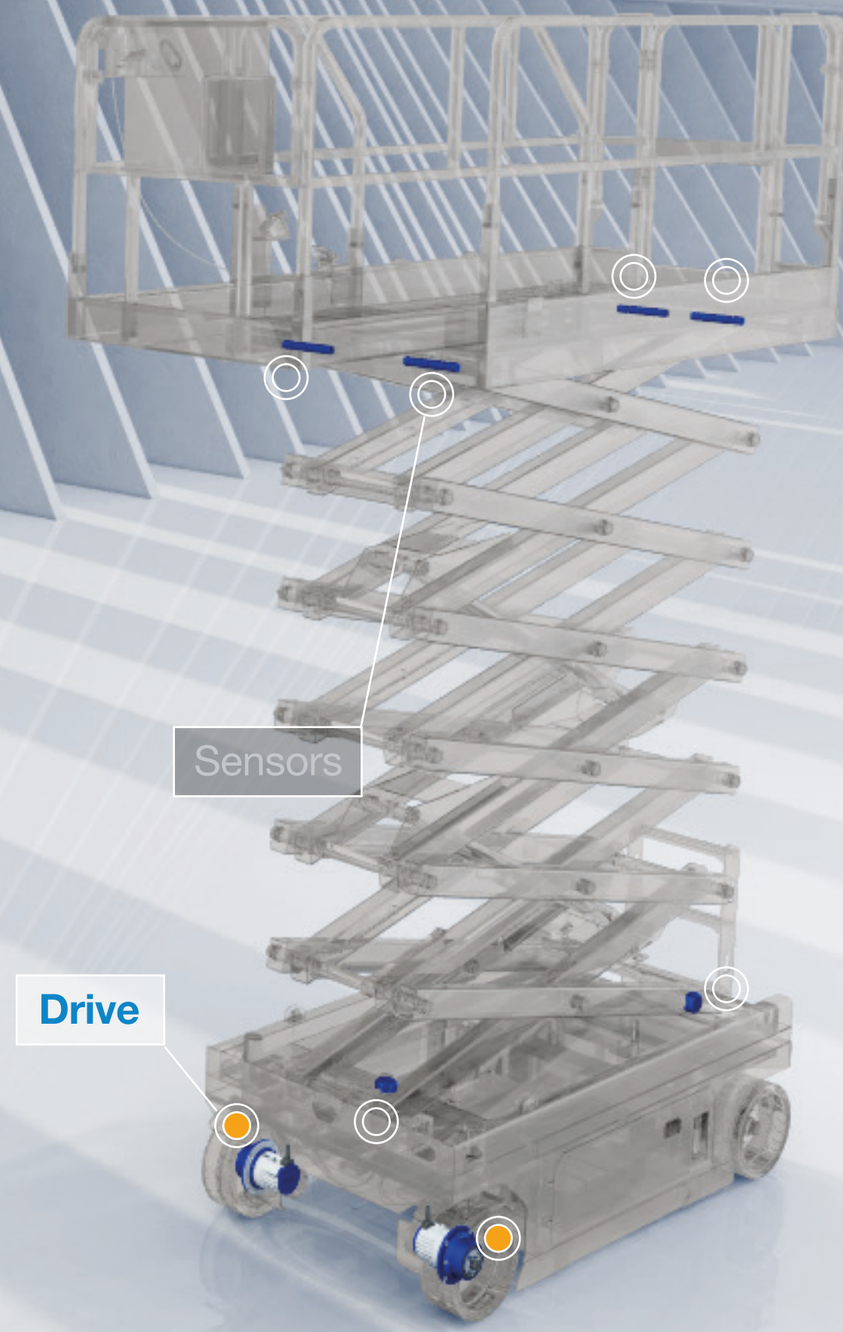
2 WHEEL DRIVE

Drive \ Sensors

Spicer Electrified™ e-Drive Spindle and Hub output

Platform Size	Micro	Small	Medium	Large
Working Height [m]	< 5	5 to 6	6 to 10	10 to 15
Working Weight [ton]	< 1,5	1,5	1,5 to 3	3 to 8
e-Drive Torque Hub	eS10S	eS10S	eS10H	eS10H

Articulated Boom | Telescopic Boom | RT Scissor



Slab Scissor

Electrified

2 WHEEL DRIVE

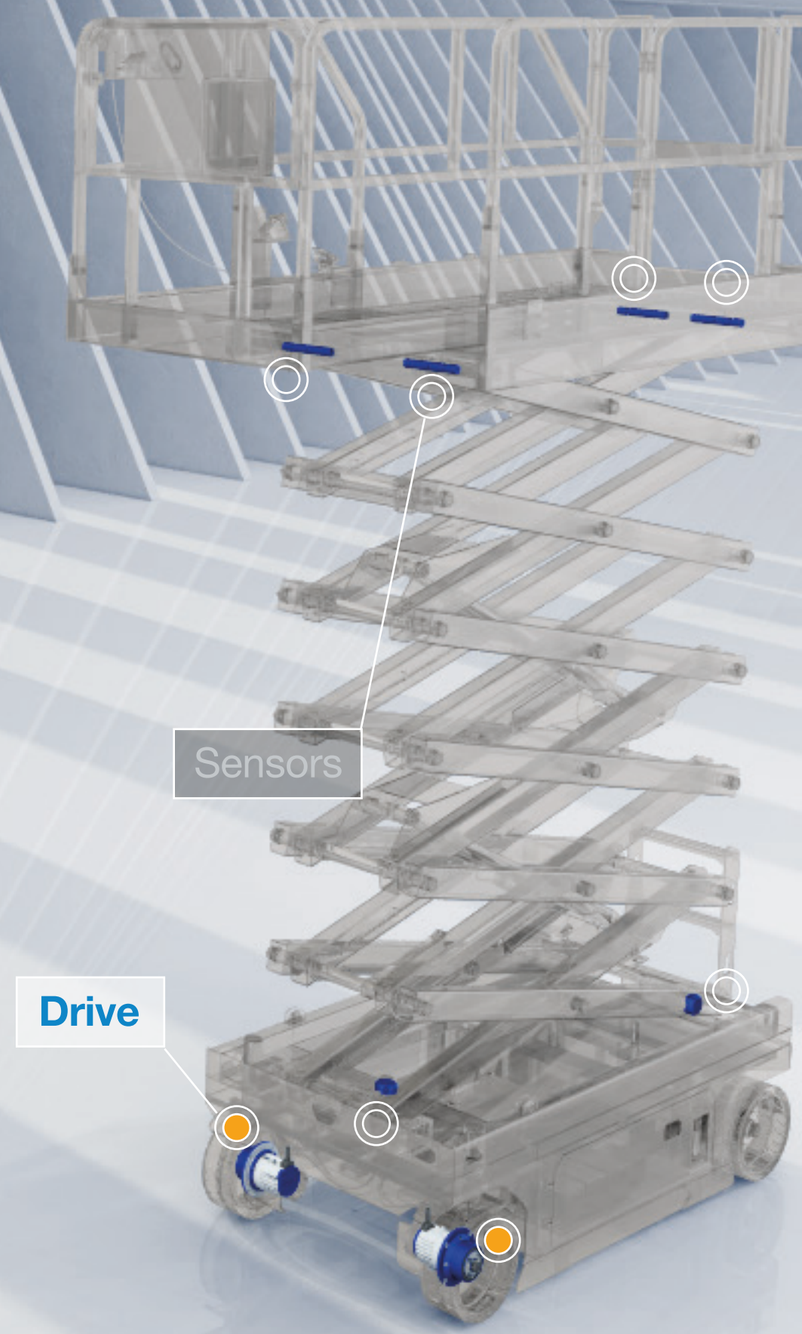
Drive \ Sensors

Key features and benefits

- 2 sizes with torque output of 1 kNm engineered to fulfill industry targets for performance, serviceability and durability
- Specifically designed for electrically driven high-efficiency Scissor MEWPs
- Fully integrated electro-mechanical system for scissor lifts

Platform Size	Micro	Small	Medium	Large
Working Height [m]	< 5	5 to 6	6 to 10	10 to 15
Working Weight [ton]	< 1,5	1,5	1,5 to 3	3 to 8
e-Drive Torque Hub	eS10S	eS10S	eS10H	eS10H

Articulated Boom | Telescopic Boom | RT Scissor



Slab
Scissor

Electrified

2 WHEEL DRIVE

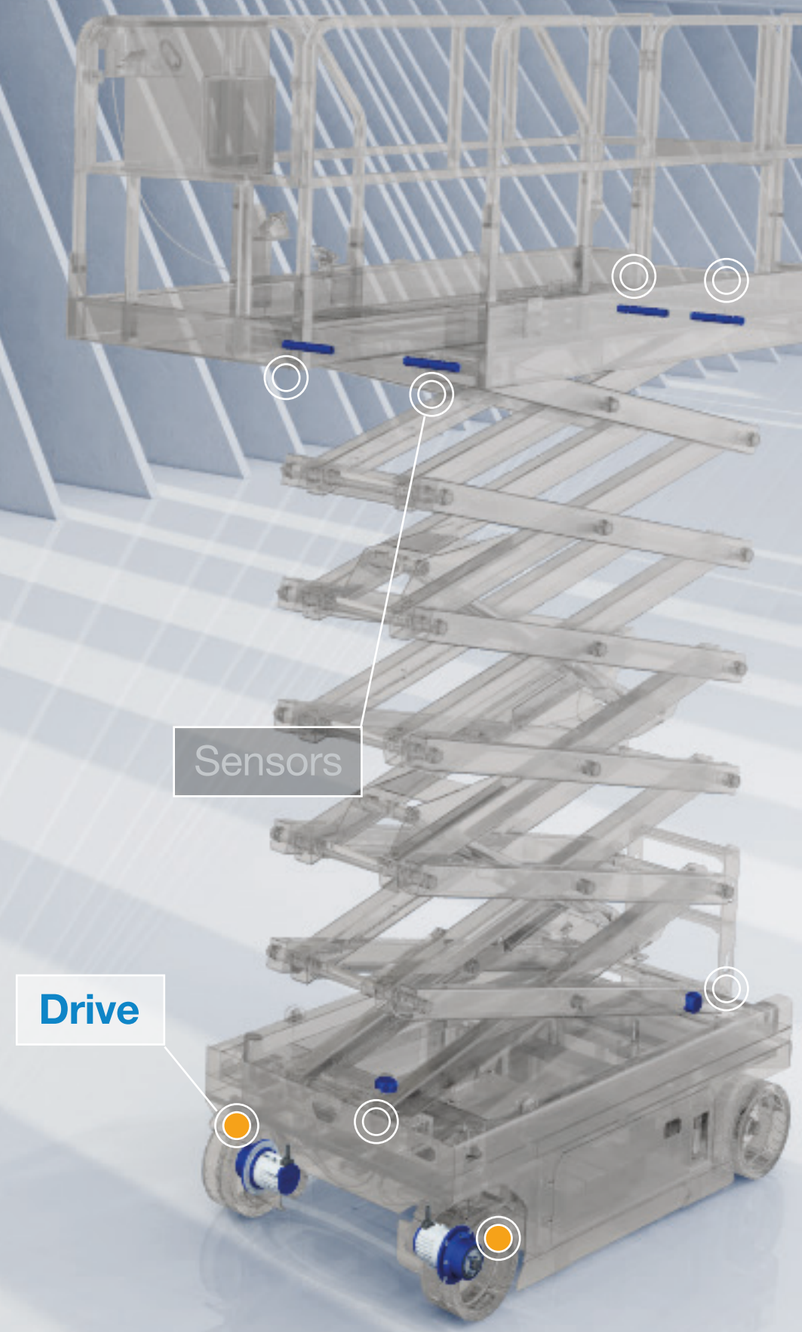
Drive \ Sensors

Key features and benefits

- IPM and ACIM Integrated advanced e-motor technologies for greater efficiency with compact size and weight
- Internal integrated electric parking brake design for maximum holding power
- IP67 motor protection from environmental hazards

Platform Size	Micro	Small	Medium	Large
Working Height [m]	< 5	5 to 6	6 to 10	10 to 15
Working Weight [ton]	< 1,5	1,5	1,5 to 3	3 to 8
e-Drive Torque Hub	eS10S	eS10S	eS10H	eS10H

Articulated Boom | Telescopic Boom | RT Scissor



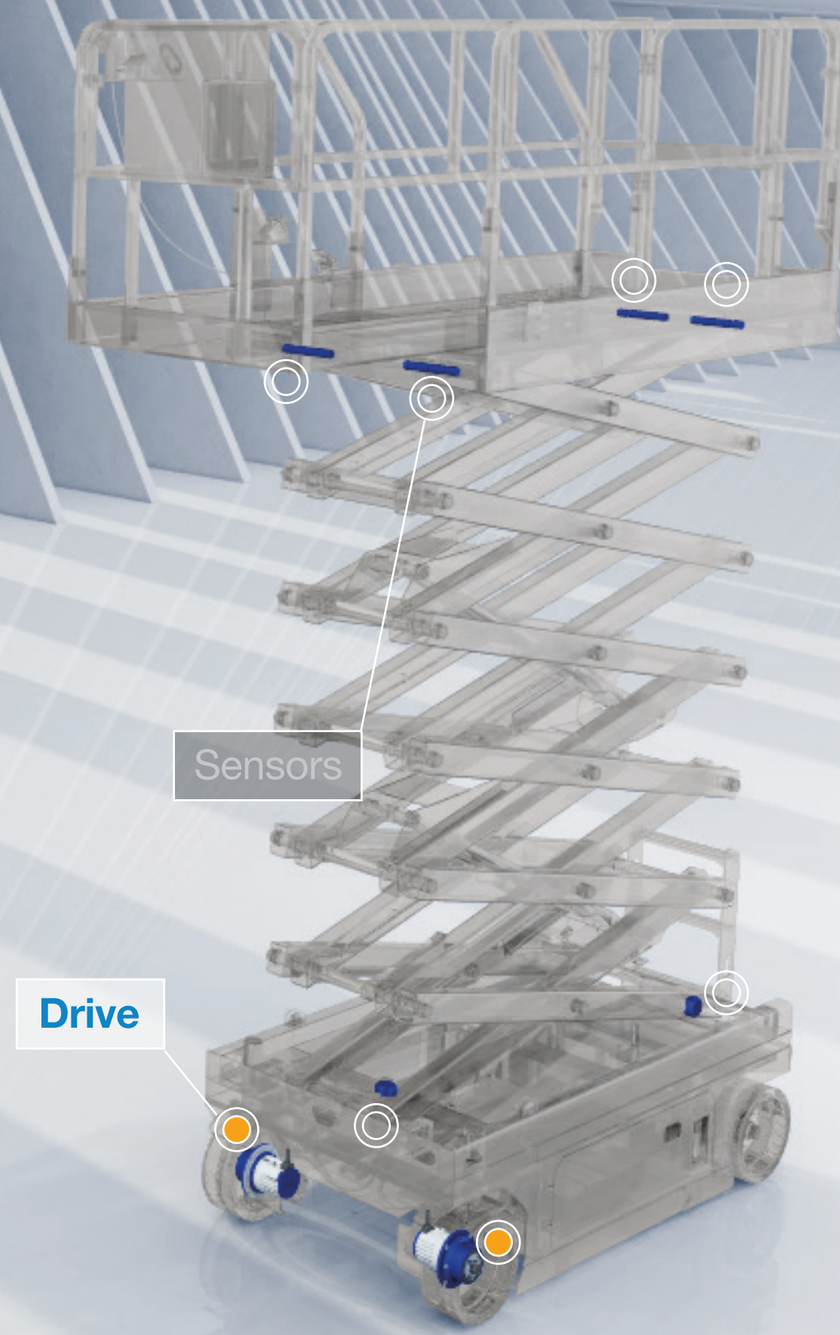
Slab
Scissor

Electrified

2 WHEEL DRIVE

Drive \ Sensors

Articulated Boom | Telescopic Boom | RT Scissor



Key features and benefits

- Integrated motor options for design flexibility
- Compact design that enables exceptional design flexibility and weight

Platform Size	Micro	Small	Medium	Large
Working Height [m]	< 5	5 to 6	6 to 10	10 to 15
Working Weight [ton]	< 1,5	1,5	1,5 to 3	3 to 8
e-Drive Torque Hub	eS10S	eS10S	eS10H	eS10H

Slab
Scissor

Electrified

2 WHEEL DRIVE

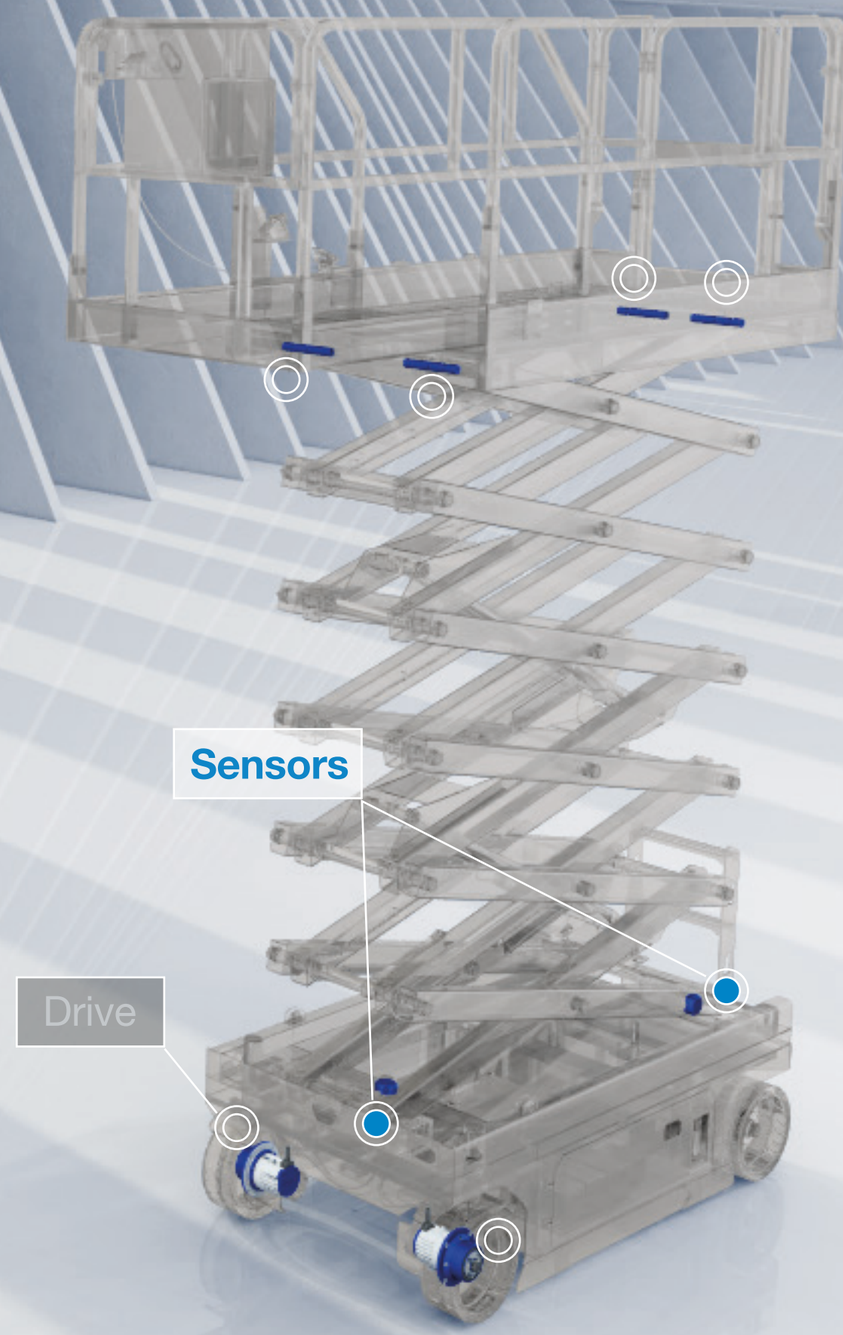
Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Waterproof robust plastic body
- 1 or 2 axis measurement
- Dual\redundant outputs available for PLd EN13849 safety systems
- Optional thermal compensation available

Articulated Boom | Telescopic Boom | RT Scissor



Slab
Scissor

Electrified

2 WHEEL DRIVE

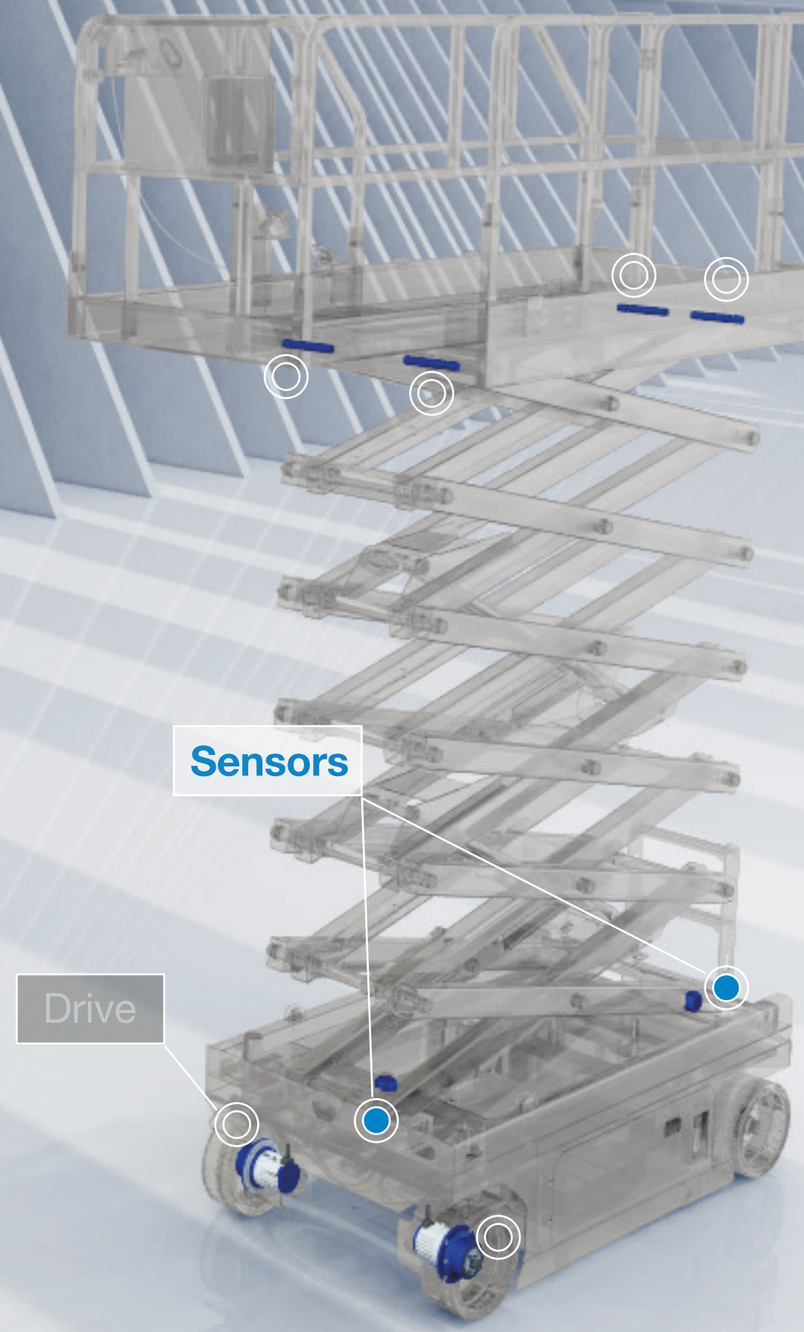
Drive \ Sensors

Brevini™ electronic sensors
Digital Inclinometer

Key features and benefits

- Customizable signal filtration
- Customizable hardness on demand

Articulated Boom | Telescopic Boom | RT Scissor



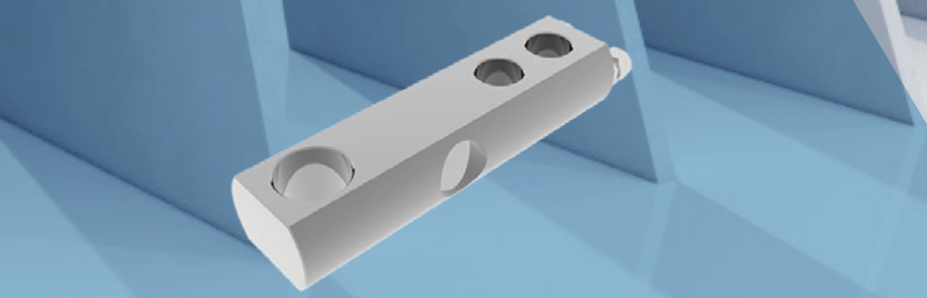
Slab
Scissor

Electrified

2 WHEEL DRIVE

Drive \ Sensors

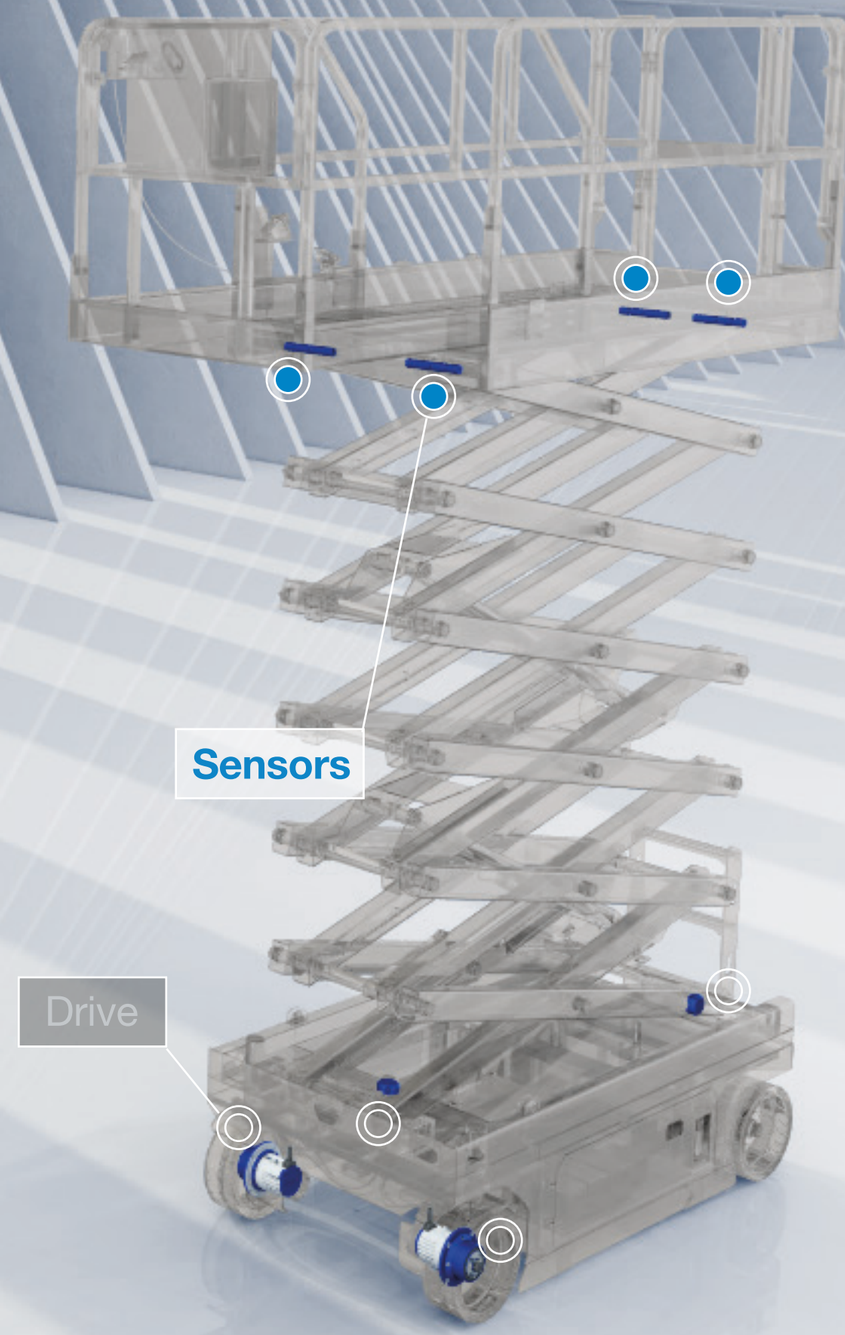
Brevini™ electronic sensors
Load Sensor



Key features and benefits

- Waterproof robust and compact body
- Dual\Redundant output available for PLd EN13849 safety systems
- Optional thermal compensation available

Articulated Boom | Telescopic Boom | RT Scissor



A complete range of best-in-class drive motion products

Dana.com/oh

Application Policy
Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.

Expertise, global reach, and systems know-how support each manufacture's needs worldwide

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Dana.com/oh

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Dana.com/oh

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