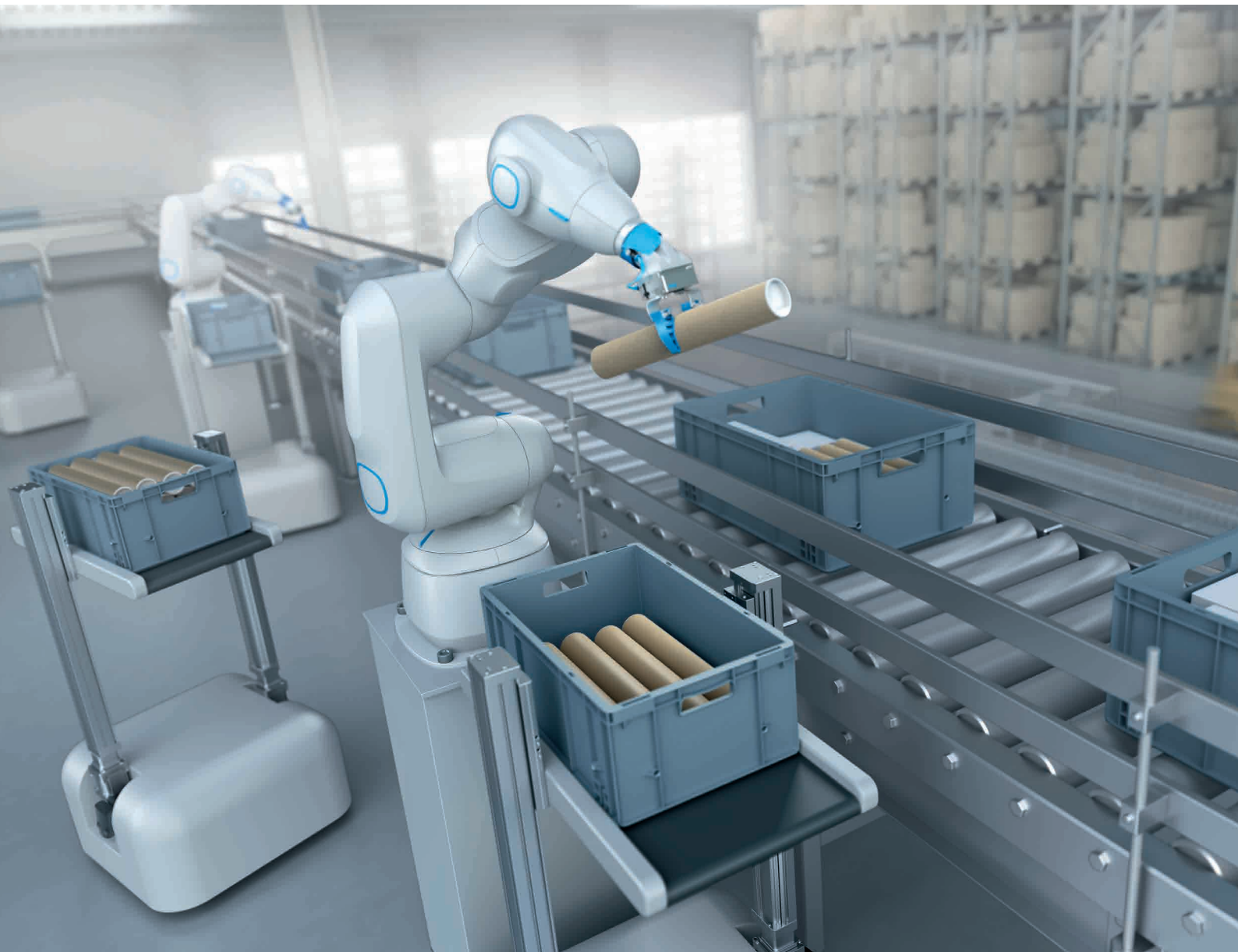


Automation solutions for intralogistics

FESTO



Boost the productivity of your systems! Festo offers reliable solutions and products that precisely help you achieve this. We meet your requirements for highly efficient intralogistics – worldwide.



You rely on maximum productivity.
You demand maximum system availability.
We are your automation partner in intralogistics.

→ **WE ARE THE ENGINEERS
OF PRODUCTIVITY.**

System availability +

Whether goods are large or small, heavy or light, sturdy or highly sensitive, you need dynamic and reliable ways to move them. Get to work with Festo! We offer efficient automation solutions for your intralogistics processes, from reliable components to ready-to-install systems and matching services. This ensures that your goods are transported reliably each and every day.

For more information
→ www.festo.com/intralogistics



Intralogistics – a digital and integrated process chain from order to delivery

“Few industry segments have grown as fast as the intralogistics sector in recent years. This has resulted in a high degree of automation, which can be used to solve complex processes in the supply chain.

The next stage for the entire sector is electrification, combined with artificial intelligence and machine learning algorithms. Thanks to a broad product and technology portfolio that offers a best-in-class solution for every application, Festo can help its customers keep pace with this transformation process.

From individual pneumatic actuators or electric motors to the cloud, Festo products make intralogistics systems around the world smarter, more efficient – and therefore fit for the future.”

Arquemino Lopes Junior, Key Account Management OEM



Productivity +

The benefits to you at a glance:

- +** Concentrate on your core business: gain time and reduce costs by using function modules and ready-to-install solutions.
- +** Everything from a single source: with pneumatic, electric and process automation from Festo, you save time and resources.
- +** Accelerate the engineering phase and avoid potential engineering or selection errors: with our wide range of engineering tools and configurators.
- +** Take advantage of our global presence: Festo guarantees worldwide service and support.
- +** Increase your productivity through digitalisation and artificial intelligence: thanks to open interfaces, you can gather all parameter data, transfer it to a cloud and analyse it.

Festo AX

Make decisions based on facts. The Festo Automation Experience is an easy-to-use solution that works with artificial intelligence (AI) and machine learning. This allows you to obtain great added value from the data produced by your plants. By simply analysing your data with Festo AX, you increase productivity, reduce

energy costs, avoid quality losses, optimise your shop floor and create new business models. These are the perfect conditions for predictive maintenance, predictive energy and predictive quality! We will be happy to implement your individual solution together with you.

Find out more at:

→ [Festo AX](#)



Festo LX digital learning portal

Festo Learning Experience (Festo LX) is the new learning portal from Festo. It enables you to take a big step into the future of learning, too. At the same time, you can design individual learning experiences for students and teachers.

Find out more at:

→ [Festo LX](#)



Festo Core Range

This range in proven Festo quality at an attractive price covers the majority of your automation tasks, from drives to accessories, whether for factory automation or process automation. This is how you can reduce your procurement complexity for the electric and pneumatic control chain.

Find out more at:

→ [The Festo Core Range](#)





What Festo AX offers you:

- Artificial intelligence in real time
- Flexible integration into all systems
- Choice of storage locations: on-premises, on-edge or in the cloud?
- Human-in-the-loop: integrate your expert knowledge



Quickest delivery,
worldwide – wherever,
whenever



Quick and easy
selection



Best value

Solutions for all transport tasks

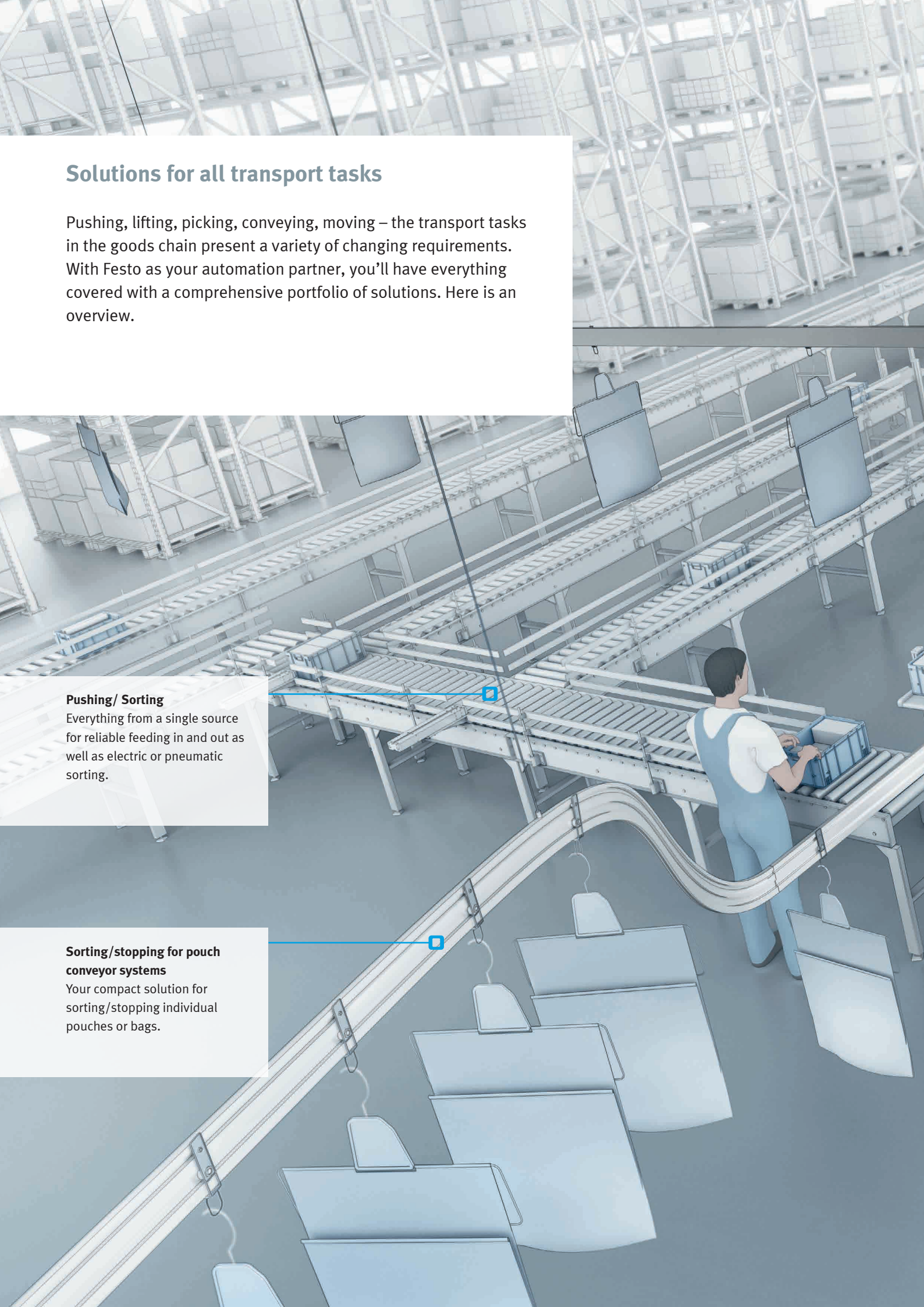
Pushing, lifting, picking, conveying, moving – the transport tasks in the goods chain present a variety of changing requirements. With Festo as your automation partner, you'll have everything covered with a comprehensive portfolio of solutions. Here is an overview.

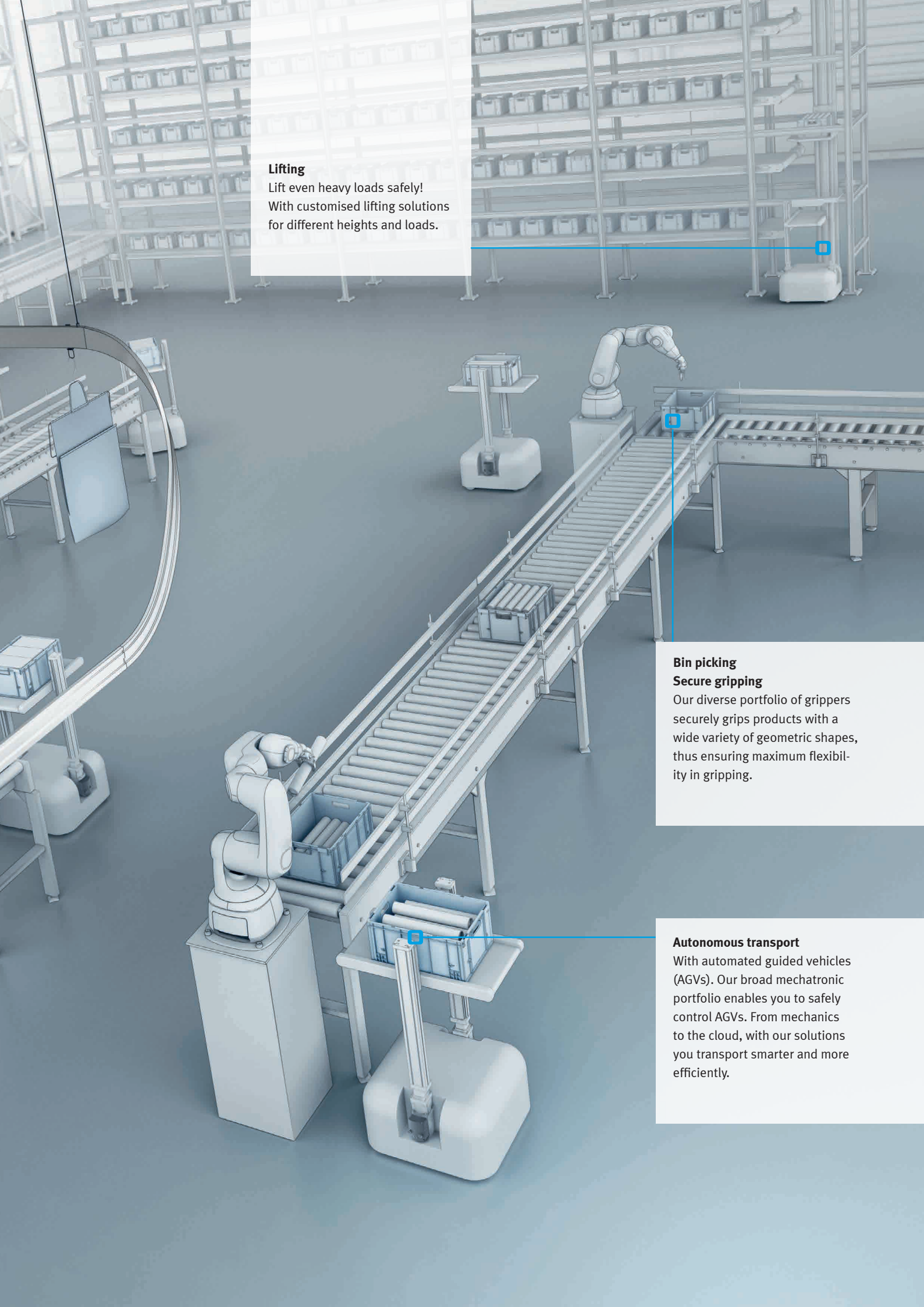
Pushing/ Sorting

Everything from a single source for reliable feeding in and out as well as electric or pneumatic sorting.

Sorting/stopping for pouch conveyor systems

Your compact solution for sorting/stopping individual pouches or bags.





Lifting

Lift even heavy loads safely!
With customised lifting solutions
for different heights and loads.

Bin picking

Secure gripping

Our diverse portfolio of grippers securely grips products with a wide variety of geometric shapes, thus ensuring maximum flexibility in gripping.

Autonomous transport

With automated guided vehicles (AGVs). Our broad mechatronic portfolio enables you to safely control AGVs. From mechanics to the cloud, with our solutions you transport smarter and more efficiently.

For the most wide-ranging tasks – electric automation

Servo motor EMMT-AS

For demanding and dynamic applications. The EMMT-AS is characterised by very good controllability and tracking accuracy for positioning tasks. The space-saving one-cable solution significantly reduces the installation effort.



Toothed belt axis EGC-TB

The heavy-duty toothed belt axis EGC-TB has a unique, optimised cross section for maximum rigidity and load bearing capacity. This dynamic linear drive can achieve high speeds even with large loads and long strokes.



Spindle axis EGC-BS

The heavy-duty, precise spindle axis EGC-BS is quiet in operation and has a unique cross-section that is optimised for maximum rigidity and load bearing capacity. This means you can often use these spindle axes in a smaller size, thus reducing your costs.



Spindle axis ELGA-BS-KF

Powerful, dynamic and protected by a sturdy cover strip. The precision, durability and dynamic response of the spindle axis ELGA-BS make it very efficient for positioning tasks in challenging conditions at strokes of up to 3000 mm.



Servo drive CMMT-AS

Compact servo drive for point-to-point and interpolated motions. CMMT-AS is suitable for various Ethernet-based bus systems and can be integrated directly into system environments of different control manufacturers.

**Servo drive CMMT-ST**

The extremely small servo drive CMMT-ST positions and moves highly efficiently, dynamically and precisely up to 300 W, point-to-point or by interpolation. It is also extremely quick and easy to commission via the Festo Automation Suite and the integrated auto-tuning function.

**Decentralised remote I/O system CPX-AP-I**

Up to 500 modules can be connected to common bus systems, including for existing valve terminals. IO-Link devices can be integrated and parameterised. Cable lengths up to 50 m between stations, IP65/IP67.

**Modular electrical terminal CPX-E**

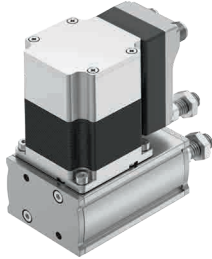
Automation system in IP20 with high component density, as remote I/O with bus module or as a control system with a control unit.



Electric, but low cost and simple – Simplified Motion Series

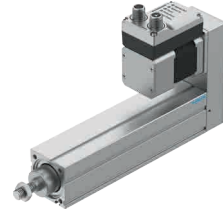
Electric cylinder unit EPCE-TB

The EPCE is an electric cylinder for short strokes and cycle times, offering a minimal zero stroke and excellent value for money. It is ideal for use in testing and inspection systems as well as for labelling, in simple centring tasks and for aligning workpieces.



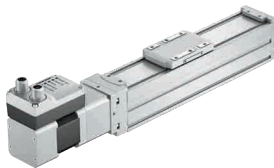
Electric cylinder unit EPCS

The EPCS is extremely cost-effective, yet powerful and very flexible. The simplicity of pneumatics is combined with the benefits of electric automation. Very compact and ideal for small installation spaces. The EPCS is very easy to parameterise – without any software!



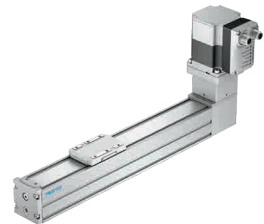
Spindle axis unit ELGS-BS

Highly compact and low-cost – the precise, load-bearing inner slide guide is permanently protected by a stainless steel cover strip. As part of the Simplified Motion series, the ELGS-BS is easy to configure and commission directly without any software. It also includes IO-Link and digital I/O (DIO).



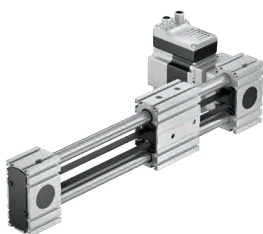
Toothed belt axis unit ELGS-TB

Compact, durable, low-cost – the precise, load-bearing inner slide guide is permanently protected by a stainless steel cover strip. As part of the Simplified Motion series, the ELGS-TB is easy to configure and commission directly without any software. It also includes IO-Link and digital I/O (DIO).

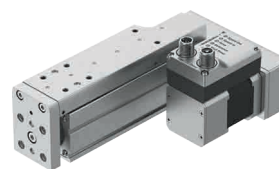


Toothed belt axis unit ELGE-TB

The very attractively priced toothed belt axis ELGE-TB has very smooth running characteristics that make it ideal for simple tasks. As part of the Simplified Motion series, the ELGE-TB is easy to configure and commission directly without any software. It also includes IO-Link and digital I/O (DIO).

**Mini slide unit EGSS**

Load-bearing, low-cost mini slide unit with quiet-running spindle for Z movements or individual guided linear movements between 2 end positions. As part of the Simplified Motion Series, the EGSS is easy to configure and commission directly without any software. It also includes IO-Link and digital I/O (DIO).

**Rotary drive unit ERMS**

The cost-effective rotary drive unit for simple rotation tasks with angles of 90° or 180° can even withstand increased mechanical loads. As part of the Simplified Motion Series, the ERMS is easy to configure and commission directly without any software. It also includes IO-Link and digital I/O (DIO).



Good value for money – pneumatics

Stopper cylinder DFSP

Standard stopper cylinder in trunnion or roller design.



Round cylinder DSNU, double-acting

Durable cylinder based on ISO 6432. With self-adjusting end-position cushioning and extensive accessories.



Compact cylinder ADN, double-acting

Standards-based cylinder to ISO 21287 with fixed or self-adjusting cushioning. Wide range of variants.



Guided drive DFM, metric

The guided drive DFM offers precise guidance and great absorption of torques and lateral forces, coupled with a sturdy, compact design. It is suitable for clamping, lifting and stopping applications.



Standards-based cylinder DSBC

Standards-based profile cylinder to ISO 15552 with a wide variety of mounting options.



Semi-rotary drive DRVS

Light and elegant double-acting semi-rotary drive with rotary vane.

**Adaptive gripper finger DHAS**

The gentle gripping, low-vibration transport and smooth release are impressive, but the versatile, adaptive gripper finger DHAS will also impress you with its ability to adjust to all sensitive surfaces and delicate materials.

**Adaptive shape gripper DHEF**

A gripper inspired by nature. It grasps and encloses different types of workpieces and then hands them over, even to people.

**Vacuum generators OVEM**

The accelerated vacuum release is used for safe depositing the workpiece. Realised by an integrated solenoid valve that controls the ejector pulse.



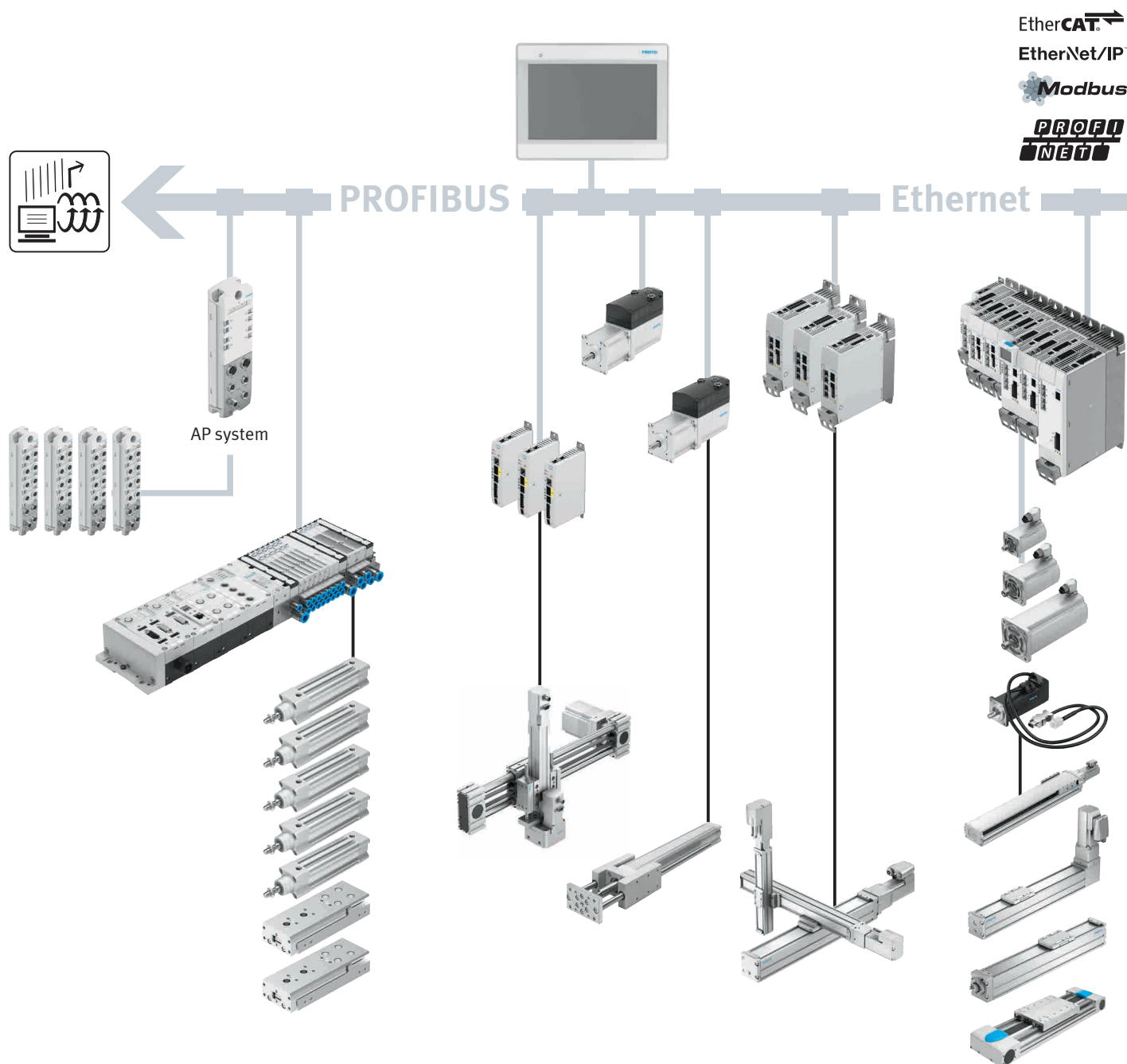
Seamless connectivity: direct integration into host systems

Whether for electric or pneumatic automation solutions, servo drives, integrated drives and remote I/O systems as well as valve terminals can be integrated directly and seamlessly into your system environment.

You can very quickly and easily define the mechatronic 1D, 2D or 3D kinematics and select the matching motor and servo drive or appropriate valve terminals, plus the necessary remote I/O system, since we support you

every step of the way with innovative software tools for configuration and selection. These solutions can then be directly integrated into larger or different automation environments using Ethernet-based protocols such as

PROFINET, EtherNet/IP, EtherCAT®, Modbus®, etc. In addition, Festo provides you with the function blocks you need to integrate the parameters into automation solutions from Siemens, Rockwell, Omron, Beckhoff and

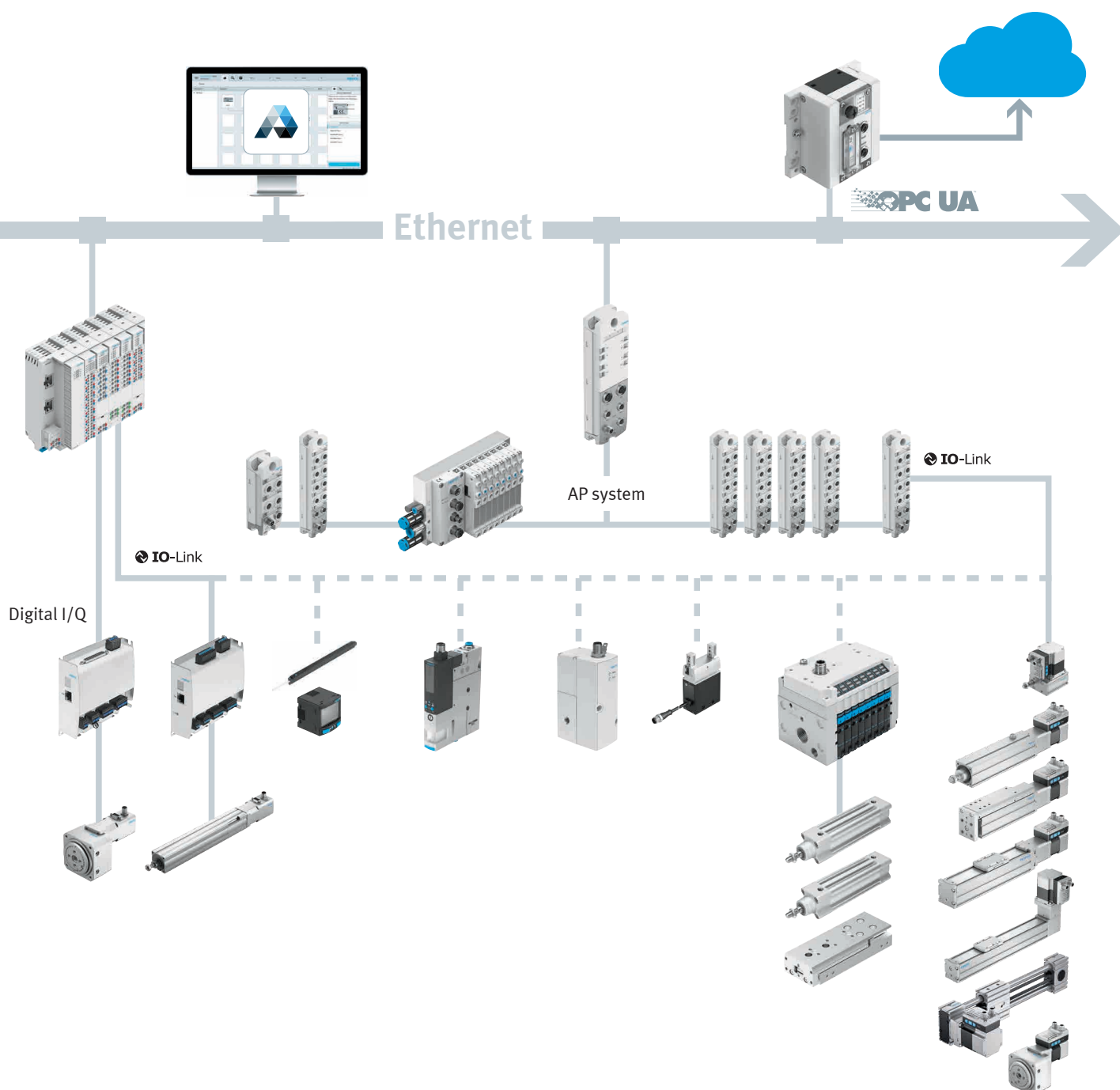


others. Connecting electric and pneumatic automation technology to Ethernet-based protocols using IO-Link is even easier. The remote I/O solutions CPX-E and CPX-AP-I with their IO-Link masters enable you to quickly and

easily connect a large number of automation components from Festo and third-party suppliers to a host PLC. As well as servo drives and grippers, valve terminals, proportional valves and sensors, you can also directly

integrate the products from the Simplified Motion Series. Further valve terminals and additional digital and analogue I/Os can also be connected to the network via the AP system communication technology of the CPX-AP-I.

The innovative and universal software solutions from Festo make it easy for you, and support you at every stage.





Productivity

Maximum productivity is a question of ambition

Do you share this attitude? We will be glad to help you achieve this goal – through our four outstanding qualities:

• Security • Efficiency • Simplicity • Competency

We are the engineers of productivity.

Discover new dimensions for your company:

→ www.festo.com/intralogistics