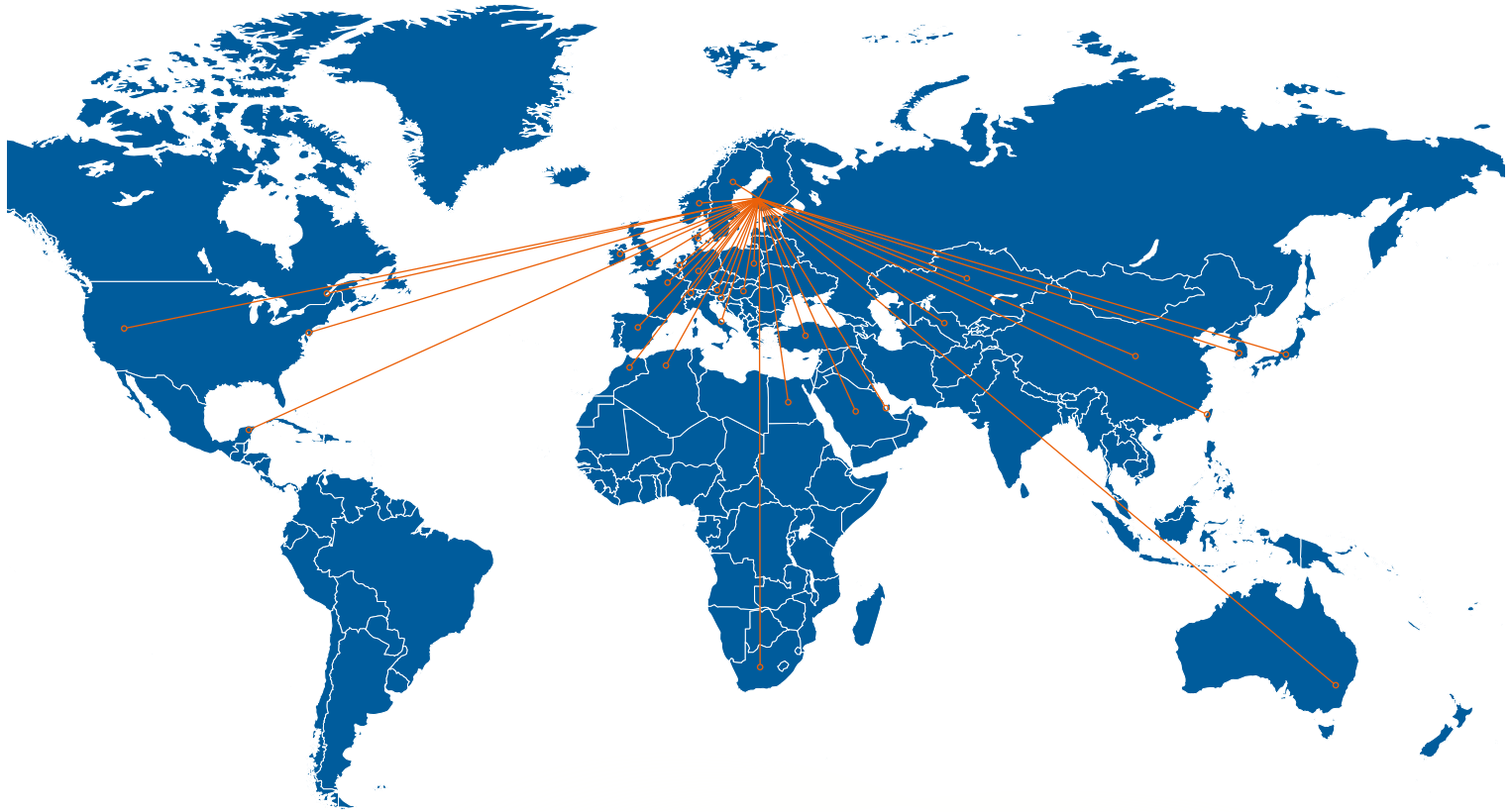


Tomorrow's solutions today



Our service portfolio includes design, installation and commissioning support, maintenance, modernization, spare parts and technical support during the life-time of the fleet. Safety, reliability, sustainability and optimizing life cycle costs are the core drivers of our engineering and development.



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After Sales
DOOR SYSTEMS, OVERHAULS,
UPGRADES AND ACCESSORIES



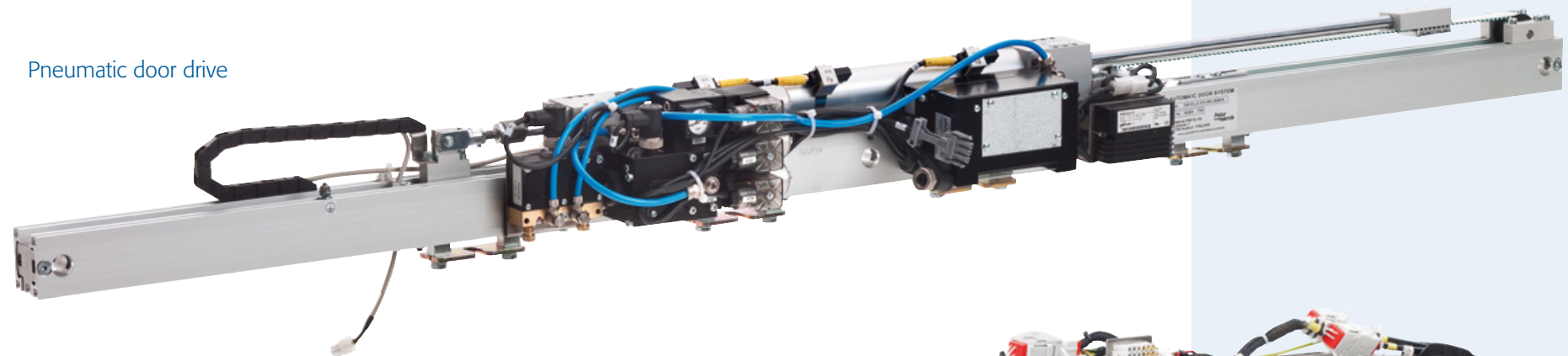
Maintenance

Polarteknik, having designed and supplied thousands of door components and systems for almost thirty years, continues with top level integrated compact door systems. Co-operation with our customers has been a key to develop the modular doors of lowest LCC-values in the market. Our experience and reliable construction gives customer the best choice during the whole project in modern as well as

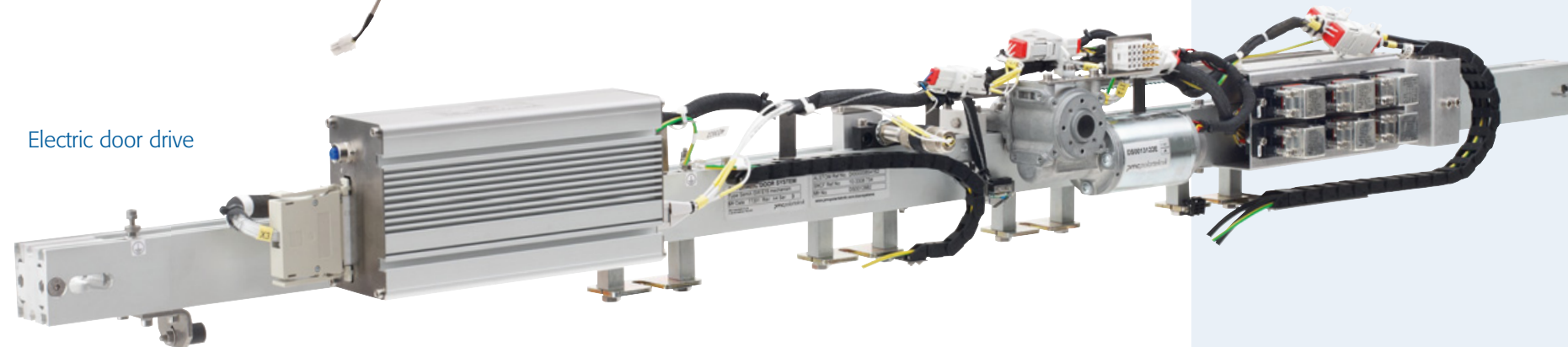
refurbished passenger coaches to increase the passenger comfort.

Polarteknik offers maintenance to all it's designs and customer can benefit from the use of original design documents and product specifications. With our extensive experience we have the opportunity to help with other OEM products as well.

Pneumatic door drive



Electric door drive



Modifications and Upgrades

Overhaul

- Preventive maintenance activities based on a schedule or a fleet check
- Updating sealings, brushes, slider parts etc. to current material standard

Repair

- Spot orders on defective drive units or components
- Applicable for manual, pneumatic and electric drives and door leaves

Refurbishment

- Refurbishing Polarteknik OEM products in old fleets
- Replacing other OEM products with new Polarteknik units
- Implementing new door types in old fleets
- Upgrading materials and finishes to current standards compliance

IoT upgrade for predictive maintenance

- Introduction of an on-board system that enables data collection
- Introduction of a cloud based data system for data normalization
- Introduction of analytics to derive predictive maintenance tasks

Drive upgrades

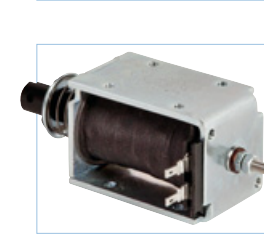
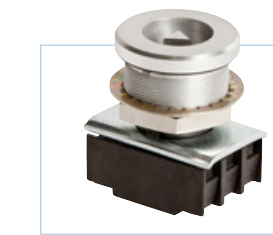
- (manual to electric, pneuma to electric, old DCU to new DCU)
- Manual door to electrically operated automatic door upgrade
 - Pneumatic door to electrically operated door upgrade
 - Old door control unit to new control unit upgrade to enable IoT upgrade

On-site visits and support

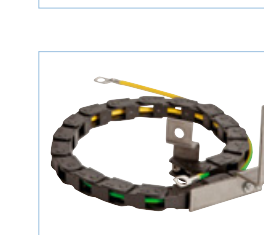
- Through our growing partnership network Polarteknik can support You on-site
- with trained staff for installation, training, adjustment, retrofits and analysis

Spare parts and accessories

Rotary switches, press switches, magnets and solenoids



Photocells, opening switches and energy transfer chain



Doors after sales and spare part orders after.sales.doors@polarteknik.fi