

The sensor

MCS specializes in the manufacture, supply, and export of high-quality contactless angular position sensors. The new MCS Angular Position Sensors (APS) are designed in compliance with ISO 26262 Part 5 and are certified as an ASIL C Safety Element out of Context (SEooC). Additionally, it meets the stringent requirements of the ECE R10 regulation, ensuring reliability and safety in demanding applications.

These sensors are exceptionally durable, offering resistance to stray fields and high-temperature stability, making them suitable for use even in challenging conditions. Thanks to their contactless, Hall effect angle detection, they operate completely wear-free, ensuring long-term reliability. With a 4 pole surfaced magnet, they deliver exceptional measurement accuracy for precise performance.

MCS angular position sensors support a wide range of applications where precision and reliability are critical. Typical use cases include monitoring accelerator pedal positions to manage torque in internal combustion engine systems or electric drive systems. They are also ideal for determining steering angles, measuring throttle valve positions, and maintaining accurate vehicle level control. This versatility makes MCS sensors a trusted choice for automotive and industrial applications requiring robust and precise angle measurements.



Build your own
We customize for you !





| This is Addtech

Addtech is a Swedish publicly listed technical solutions group. Operations comprise 150 independent group companies selling high-tech products and solutions to customers, primarily in the manufacturing and infrastructure sectors – with a focus on long-term sustainable growth.

Vehicle Solutions

The business units companies offer products that use the most up-to-date technologies to conduct human-machine interactions.

For most proprietary products, our companies select their own component suppliers and thereafter we perform quality-assurance and final assembly in-house. Examples of products are pedals, joysticks, armrests, sensors and valve blocks which can either be sold as components or built into durable and intelligent systems.

Together with our customers' project groups we develop sustainable and cost-effective solutions exceeding market expectations. We have cutting-edge skills in vehicle automation, ergonomics and driveline control. Our companies share the vision of facilitating and streamlining the daily tasks of the operator with regards to the specific functions of the vehicle.

Our products are found, in one way or another, in forest, mining, construction and load-handling vehicles from all world-leading OEM manufacturers. Our products are also regularly found in buses, trains, ships and trams. Primary markets are Western Europe and North America, followed by South Korea, Japan and China.



- Manufacturing facilities
- Distributors and sales representatives



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Where to find our products



We Control Your Engine



Throttle Control



Who are we ?

|Over 40 years of experience

Founded in 1980 in Brussels, Mobile Control Systems (MCS) initially specialized in pneumatic, hydraulic, and electric throttle controls. Over time, it has discontinued these product lines to focus on advanced electronic throttle and position control solutions.

Since the early 2000s, MCS has focused on Hall-effect throttle controls, expanding into electric drive systems and e-mobility. Our product portfolio listed below is available in analogue and CAN J1939 version :

- Throttle pedals (optimized for ICE and EV applications)
- Hand throttles
- Rotary throttles
- Rocker pedals
- Angular position sensors

MCS provides advanced Hall-effect sensors for precise position feedback in electric vehicles, hybrid powertrains, and industrial automation. Focused on electrification, it develops innovative solutions to enhance efficiency and safety in modern industrial and on/off-road vehicles.

Our commitments

To ensure the reliability of our throttle systems, we commit to several quality standards. As an experienced manufacturer and supplier of multiple products in the mobile industrial sector, we value safety and aim for excellence. We strive to create products that can be trusted blindly. Therefore, we only use materials of the highest quality. We make sure that our products meet all the requirements for a safe industrial use :

- The most cost-effective solutions.
- The right product for your application.
- The most flexible control for every application.
- Instant engineering support.
- Fast design and prototyping.
- Our products meet all required industry standards.

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