



CAPABILITY STATEMENT

ifm mobile controls



ifm.com/us

ifm – Worldwide leader of industrial automation technology

Capability Statement for Mobile Machine Controls



About ifm

ifm efector is a world leader in the manufacturing of sensors and controls. With the evolution of Industry 4.0, ifm has become a leader in producing system solutions.

Our products create efficiencies in the manufacturing process in industries such as, food and beverage, robotics and assembly automation, automotive, material handling, semiconductor and mobile vehicles. Our products increase machine performance, make changeovers more flexible, and improve product quality.

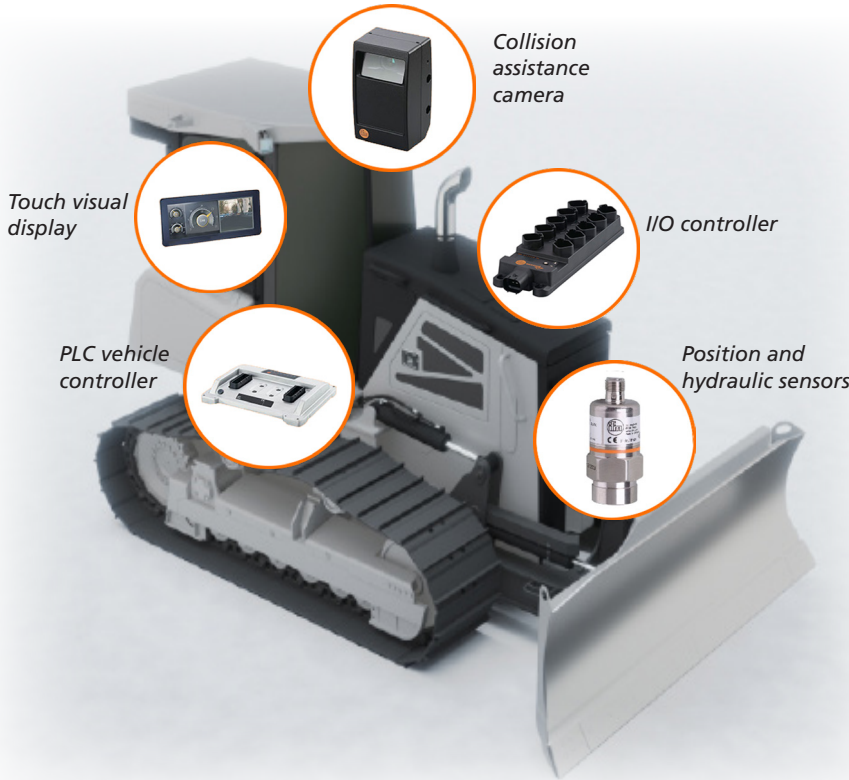
Our Purpose

ifm's purpose is to make our customers more successful in their business. We achieve this mission by staying committed to our core principles of employees first, customer loyalty, and safe growth.

We invest in our employees to develop skills and knowledge, and empower them to bring direct value to our customers.

We strive to earn our customers' loyalty by developing quality products that simplify technology and exceed their expectations.

ifm is focused on continuous, safe growth through innovation and long-term customer-directed strategies.



ifm applies advanced technology and uses innovative manufacturing techniques in our products to improve the performance and reliability of mobile machines.

Our Direct Business Model Sets Us Apart

ifm has built a business model that focuses on working directly with our customers.

A team of sales engineers are located near major cities throughout the US close to our customers.

Our Customer Support Team is comprised of technical engineers and customer service representatives who strive to provide first-time call resolution.



ifm USA headquarters, Malvern, PA. Our distribution center and manufacturing facility, ifm prover, are located nearby.



'IIOT ON WHEELS' TO FUTURE SOLUTIONS FOR ELECTRIC MACHINES

ifm first entered the market in the 1990s with a complete family of controls for mobile machines designed and tested to exceed the demands of severe environments and to increase uptime of machines. Today, a new generation of system controls with IIoT and Cloud connectivity form a smart "factory on wheels."

Meeting future needs in transitioning machines to electric and hybrid power sources, ifm has already applied embedded controls technology. Hydraulic valves and Modbus protocols for gateway functionality are being replaced with inverters. ifm envisions seamless hardware and software integration will future-proof machines while providing a reduction of the overall cost of machines.

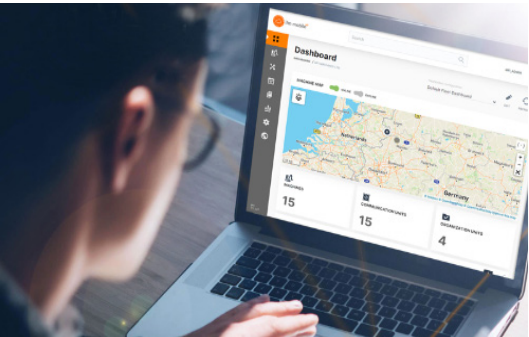


Reduce Total Cost of Ownership

Today's mobile controls architecture utilizes simplified wiring, flexible software, and reduces mechanical controls, saving on materials and labor costs.

Increase Safety with Collision Avoidance

Smart object detection and situational prediction technologies in collision avoidance systems on machines increase protection to workers, bystanders, and other large equipment.



Achieve efficiencies with remote access to machines

Telematics systems collect vehicle activity data from machines in various locations. The technology enables the data to be transmitted to a network where technicians are able to retrieve the data, analyze it, and gain insights to efficiently maintain each machine's operation from their laptops.

Improve Experience for the Operator

Touchscreen displays show real-time data, such as obstacles in the path of the machine, transmission speed, oil level, oil temperature, oil pressure, etc., and enable the operator to make informed decisions immediately and avoid downtime.





ifm at a glance



ifm Global headquarters in Essen, Germany



Manufacturing sites in Tettmang, Germany

- ifm group of companies, the parent company of ifm efector USA, was founded in 1969.
- Over 9,550 dedicated employees are located throughout the world in 150 subsidiaries who provide outstanding product support and technical service.
- More than 160,000 customers purchase ifm products worldwide resulting in \$1.45 Billion in sales (2023).
- ifm develops and produces more than 23 million products for industrial automation annually.
- Automated testing allows for quality control throughout the production process. Testing is performed to insure reliable performance.
- ifm has development and manufacturing centers located in Germany, India, Poland, Romania, Singapore and the USA.
- ifm currently employs 1,530 employees in R&D and holds 1210 patents with 100 patent applications.
- ifm has received multiple product awards for intelligent solutions, easy handling and innovative design.
- Committed to environmental protection and sustainability, ifm's 4th [Sustainability Report is online](#)

ifm product lines

Inductive sensors
Capacitive sensors
Cylinder / valve sensors
Photoelectric sensors
Distance measurement sensors
Fiber optics
Encoders
Vision sensors
Safety sensors
Pressure sensors
Flow sensors
Temperature sensors
Level sensors
Industry 4.0 IO-Link
AS-i network
Safety systems
RFID systems
Machine vibration monitoring
Power supplies
Wiring technology
Mobile controls

ifm efector USA
1100 Atwater Dr.
Malvern, PA 19355
800-441-8246
ifm.com/us