

**CURTISS -
WRIGHT**

Industrial Division



Industrial Markets

Components & Sub-System
Solutions for Commercial Vehicles



www.cw-industrial.com

Curtiss-Wright Industrial Division

Curtiss-Wright Industrial Division is a recognized leader in providing components and sub-systems for extreme environments that enable customer specific solutions for specialist vehicles, machinery and equipment. These include controls in marine vessels, suspension feedback and control in military vehicles, sensing and control of valves and actuators in hydraulic systems, critical control components in nuclear-powered generation plants, as well as sensing and control throughout motorsport including Formula One.

We are a leading provider of controls, sensors and power management systems designed to offer efficiency and durability for safety-critical functions, in environmentally diverse, often extreme conditions. We are also addressing new energy solutions for a greener environment by providing advanced motor controllers and power electronics for hybrid and electric vehicles. In an effort to improve safety and efficiency, we also supply various human interface and operator controls that act seamlessly in today's specialist environment.



Why Choose Curtiss-Wright?

Extensive Experience

Curtiss-Wright Industrial Division has established a leading position in various markets by being highly responsive to specific customer requirements.

This diverse application knowledge base includes:

- Automotive Testing
- Floorcare
- Golf Carts
- Hydraulics
- Marine
- Military Vehicles
- Motorsport
- Petrochemical (Oil & Gas)
- Power Generation
- Process Control
- Robotics

Innovative Products

We are proud of our legacy spanning 85 years in industries like power generation and process control, providing customer-specific solutions to market leading OEMs.

Using our applications engineering expertise with customer development teams, we enable a free flow of ideas that provide the most reliable and cost-effective product solution to each unique application.

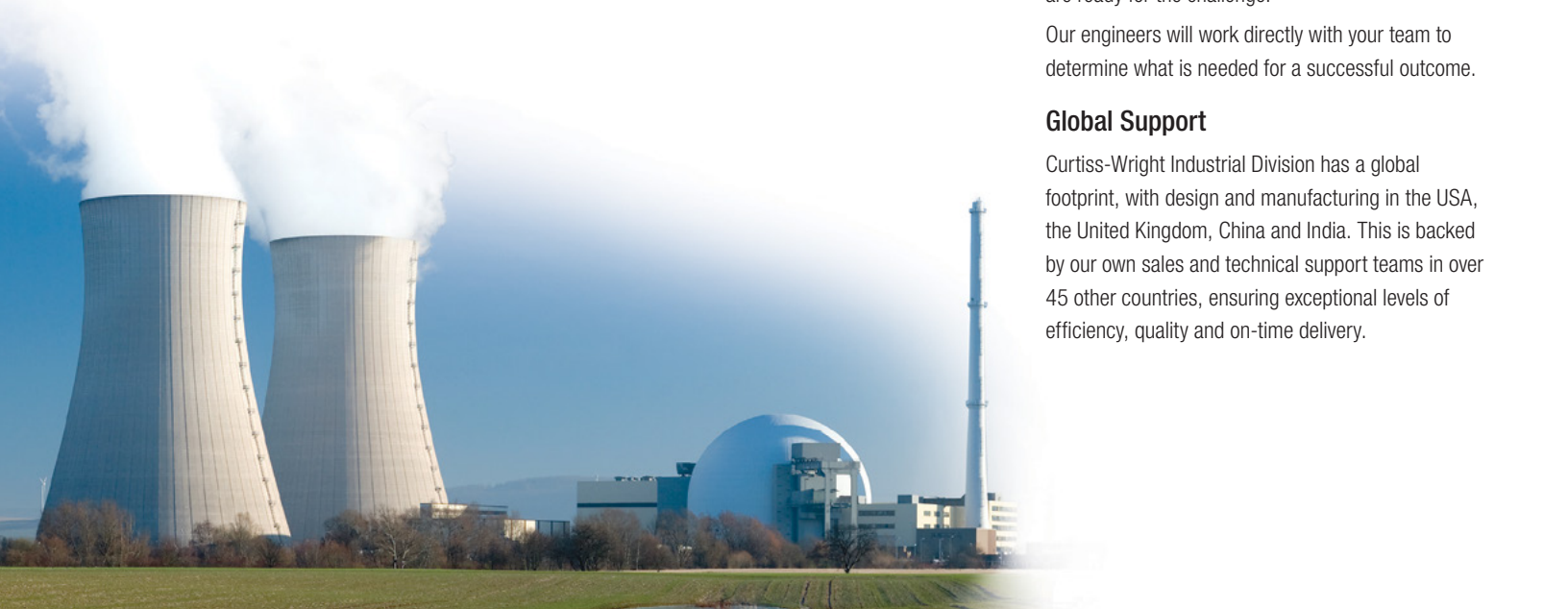
Reliable Partner

We have long-term relationships with many of the industry-leading OEMs. Whether customizing an existing product to better suit an application, or creating completely new concepts to address an OEM specification, our global team of engineers are ready for the challenge.

Our engineers will work directly with your team to determine what is needed for a successful outcome.

Global Support

Curtiss-Wright Industrial Division has a global footprint, with design and manufacturing in the USA, the United Kingdom, China and India. This is backed by our own sales and technical support teams in over 45 other countries, ensuring exceptional levels of efficiency, quality and on-time delivery.



Serving Specialist Industries

To remain competitive in the global economy, machine and equipment manufacturers demand increasing levels of automation and reliability from your products. By selecting Curtiss-Wright components and sub-system solutions to integrate into your systems and machinery, you can be comfortable in the knowledge that our products are industry-proven in thousands of applications throughout the world.

Curtiss-Wright is highly experienced in working with machinery designers to provide safety-critical components and sub-systems that not only offer optimal ergonomics for efficient operator control to reduce fatigue, but can also withstand the extreme environmental challenges of water, dust, shock, vibration and temperature.

Curtiss-Wright is an engineering focused business with a suite of skills which allows us to support customers in a wide number of fields, from motorsport to robotics and from factory automation to safety and security.

Product Families

Joystick Controls

- Rugged Joysticks and Handgrips
- Mid-Sized Joysticks
- Fingertip Joysticks and Rockers
- Hand Controls



HMI Consoles

- Multi-Function Operator Consoles
- Custom Armrests and Command Arms
- CANbus Communications and Direct Drive PWM



Sensors

- Linear and Rotary Position Sensors
- In-Cylinder Linear Position Sensors
- Spool Valve Sensors
- Tilt Sensors



Shifters and Hydraulic Levers

- Pushbutton, Lever, and Column Shift Controls
- Hydrostatic Shift Controls
- Electro-Mechanical Shift-By-Wire Actuators and Controllers
- Single- and Dual-Axis Hydraulic Levers



Power Management

- Power Distribution Modules
- Traction Inverters
- AC and DC Motor Controllers
- Multi-Functional Integrated Motor Controllers



Electronic Throttle Controls

- Floor-Mounted Pedals
- Suspended Pedals
- Rocker Pedals
- Hand Controls



Typical Applications

- Hybrid-Electric Propulsion Traction Inverters
- Auxiliary System Power Management & Battery Control
- Joystick Docking System Steering Control
- Suspension Feedback and Control

- Throttle and Gearbox Position Feedback
- Actuator Position Control
- Valve Position Control
- Train Governor Control

- Electro-Hydraulic Joystick Vehicle Control
- Nuclear Hard Environment Valve Position Feedback
- Engine Throttle Control

Our pedals, sensors, joysticks and controllers are available with analog, digital and CANbus outputs.

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Partners Worldwide: For a listing of our global sales network, visit our website at www.cw-industrial.com

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