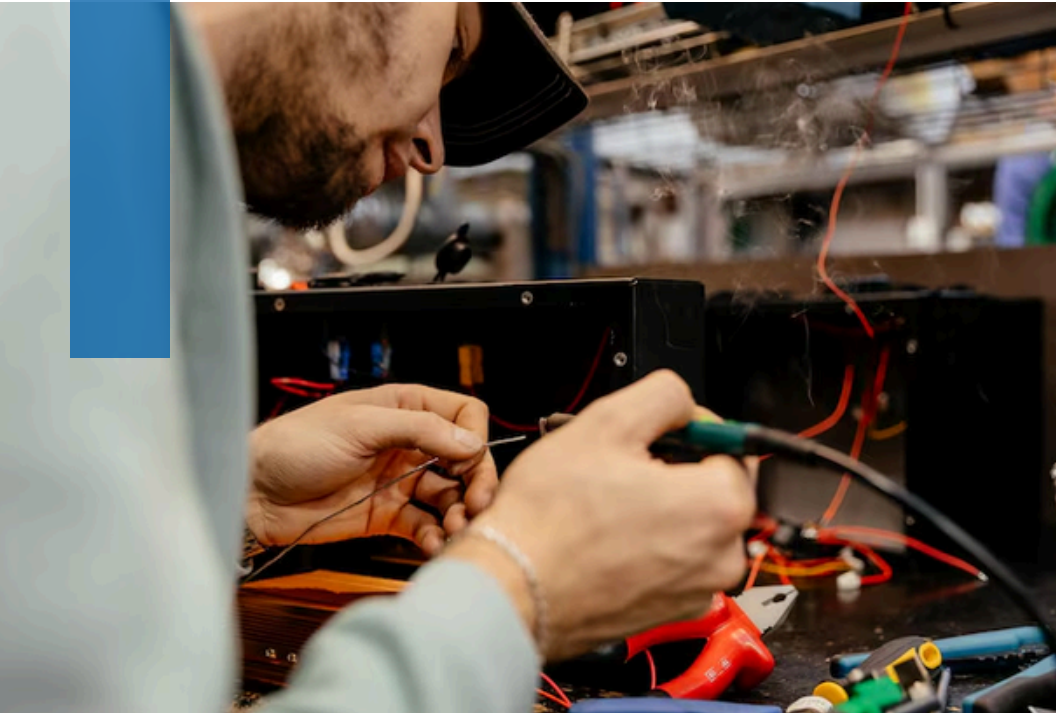
FORCE America INC.

# ELECTRICAL
# OEM SOLUTIONS



*Reliability in Every Connection*

# WHO IS FORCE AMERICA?

FORCE America Inc. has been a leading provider of fluid power and hydraulic systems since 1953. Made up of specialized divisions and subsidiaries, including LDI Industries, PreCise MRM, VariTech Industries, Valve Division, and Electrical Division. Together, they support the commitment to providing reliable, high-performance solutions.

# WHAT SETS US APART?

**Nationwide Support:** 15 Service and Sales Center across the US

**In-House Engineering:** Custom design, prototyping, and testing capabilities

**Field Service:** Experts deliver hands-on support for installation, troubleshooting, and training

**Customer Centric:** Tailored systems, dependable delivery, and ongoing support

Proven experience across multiple industries including:



Snow & Ice Removal



Agriculture



Construction



Mining



Refuse

# ELECTRICAL DIVISION STRENGTHS & CAPABILITIES

FORCE America Electrical Division has been proudly designing innovative electronic controls for over 25 years. Our experience, coupled with our manufacturing capabilities, provide the dependable knowledge needed to meet, and exceed, your control and harnessing needs.

Electrical Engineers, Mechanical & Manufacturing Engineers on site

Mechanical Designer on staff

Integrated Hydraulic & Electrical Design

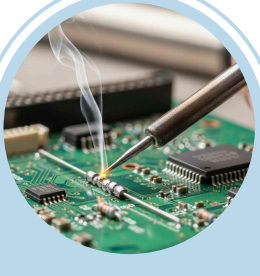
Experience across industries

Expertise using SOLIDWORKS & Altium

# SOLUTIONS WE CAN OFFER

- Custom Modules/Circuit Boards
- Danfoss PLUS+1 Wireless Controls
- Distribution Panels
- Switch Packages
- Proportional Controls
- Harnessesing

Our Electrical OEM solutions deliver precision, reliability, and performance, tailored to meet the needs of your applications.







# INTEGRATIVE CONTROLS

We offer a wide range of customization and programming options for joysticks, displays, switches, sensors, control modules, and more that will help achieve maximum control over your machines.

## JOYSTICKS

We design and build advanced control systems for mobile hydraulic applications, featuring joystick controls and compact packages with individual proportional controls.






## SWITCHES

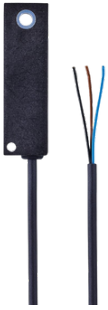
We offer a comprehensive range of control solutions, including rockers, toggles, pushbuttons, and more, designed to meet the diverse needs of our customers. Our solutions can be equipped with various feedback options, such as buzzers, indicator lights, and hour meters.






# SENSORS

Sensors such as tilt, proximity, and temperature deliver reliable, precise data that keeps your equipment operating at peak performance. By providing critical real-time feedback, they enable faster decision-making and unlock automation opportunities that improve efficiency, reduce downtime, and enhance overall system control.







# STREAMLINE YOUR INSTALLATION WITH CANBUS

From custom wiring to controller integration, we deliver complete CANBus solutions that keep equipment connected and performing at its best. These capabilities ensure dependable communication between controllers, sensors, and hydraulic systems while reducing harness cost and complexity.








# CONTROLS

From snow and ice operations to specialized mobile equipment, FORCE America provides control solutions built for real-world demands. Our systems connect operators with their equipment through intuitive interfaces, robust electronics, and flexible programming options tailored to your application.












## GO WIRELESS WITH DANFOSS+1 REMOTE CONTROLS

This innovative range of controls features 6- to 10-button remotes, pendants, and belly packs, offering rugged and reliable wireless solutions for various applications. The Danfoss PLUS+1 platform is known for its flexibility and ease of implementation, making these controls ideal for upgrading to modern technology.





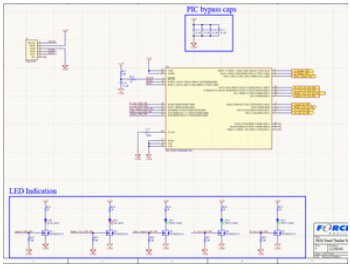


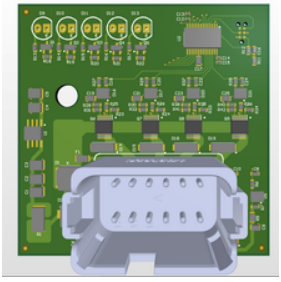


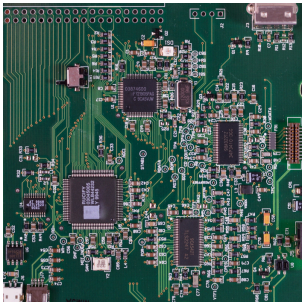


# CUSTOM CIRCUIT BOARD DESIGNS

FORCE America designs and manufactures custom circuit boards built to handle the rigorous demands of mobile hydraulic and industrial applications. We provide detailed schematics and 3D models to ensure accurate planning, clear communication, and confidence from concept to installation.



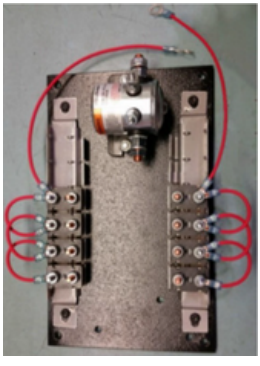




# MAKING CONNECTIONS

From simple configurations to complex setups, our panels combine power, ground, CAN distribution, circuit protection, relays, and other features to provide an easy-to-mount-solutions.







CONTACT US TODAY TO

# POWER YOUR NEXT PROJECT!

## OEM ELECTRICAL SOLUTIONS

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