



Mobile / Off-Highway

Solutions



Core Values

Accountability
Balance in Work and Life
Collaboration
Commitment
Community
Employee Empowerment
Integrity
Respect

Meet Morrell Group

Driven by a passion for innovative technology and conquering challenges, we develop solutions that keep our customers moving toward the future. From concept to completion, we provide exceptional customer service deeply rooted in our Commitment to Excellence. Our goal is to continue to grow our business with our customers and trusted vendor partners with the same quality and integrity we have had since 1976.

- ☞ Solutions Based Engineering
- ☞ Design Engineering for Hydraulics, Pneumatics, Lubrication & Mechanical Solutions
- ☞ Machine Control Design Experience
- ☞ Hardware & Software Design
- ☞ Concept & Process Engineering
- ☞ System Integration Solutions
- ☞ Subsystem Efficiency Solutions
- ☞ Modification of Machines to U.S. Standards & Specifications
- ☞ Quality Assurance According to ISO9001:2008 & AS9100:2016
- ☞ Designs & Capabilities According to U.S. & European Standards NFPA, UL, CE

E

Engineering Partner

Morrell Group functions as your partner, an extension of your engineering team. Rather than forcing you to adopt our business practices, we adapt to yours—seamlessly.

- Factory Trained Service Technicians
- Dedicated Product Management
- Maximum Stocking Levels
- Integrated Systems
- Application Engineering
- Custom Products & Solutions
- 3D Modeling & FEA Analysis
- Advanced Product Training
- Product & Machine Expertise
- Research & Development
- Product Launch Support
- Safety Reviews
- Prototyping

S

Systems Integrator

The innovative solutions we engineer support both new and old systems. Employing cutting-edge technology, we optimize your machines, fine-tuning them for efficiency, reliability, and longevity.

- Service Technicians
- Application Assistance
- Committed Inventory Program
- Configured Assemblies
- Product Sizing & Selection
- Integrated Products
- Concept Engineering
- Training

V

Value-Added Distributor

More than a mere supplier, Morrell Group provides attractive solutions built on a foundation of quality components and competitive pricing.

- 24/7 Support
- Customer Service
- Inventory
- Product Kitting
- Product Support

Complete Life-Cycle Support



THINK



PLAN



DESIGN



SOURCE



BUILD

Our Elements of Success



TEST



INTEGRATE



SUPPORT



LEARN



Meet Morrell Group

Morrell Inc. began as a trusted resource for premier components and, over the last four decades, evolved into the Morrell Group, an Engineering Partner, Systems Integrator, and Value-Added Distributor (ESV).

As the world's first ESV, we provide our customers with highly engineered solutions for motion control tasks. By leveraging our group members' diverse industry experience and product knowledge, we engineer technically superior solutions with sustainable value.

Where

Intelligence

Drives

Innovation

Morrell Industrial

Morrell's Industrial division provides integrated engineered solutions, expertise, and resources for mechanical, electrical, hydraulic, pneumatic, lubrication, and dispense systems.

- Unparalleled experience in product application
- Industry-leading system and subsystem development
- Priority access to industry leading components

**Certified
Excellence**

rexroth
A Bosch Company



Morrell

Mobile

Morrell's mobile/off-highway division offers technical expertise and resources to supply integrated solutions for actuation, optimization, propulsion, and electrification technologies.

- Unparalleled experience in product application
- Industry-leading system and subsystem development
- Priority access to industry leading components

stegner

controls

Stegner Controls provides electrical and motion control system solutions from simple panel builds to fully integrating complex, turnkey systems. Serving more than a dozen major industries, including:

- General Automation
- Aerospace
- Automotive
- Stamping
- Fast Moving Consumer Goods (FMCG)
- e-Mobility

LORmobile

controls

A leader in mobile/off-highway systems integration, LOR Mobile Controls has the knowledge and expertise to deliver design and engineering of advanced wireless controls and custom electrification solutions.

- Leader in systems integration
- Radio Controls and Relay Logic
- CAN Bus Systems & SAE J1939

Innovation that

Keeps You Moving



End users and machine manufacturers increasingly demand mobile working machines that are more productive, safe, flexible, and energy efficient. Morrell Group is equipped to support those machines throughout and beyond the Industry 4.0 revolution.



NOW

- Diesel Vehicles
- Require Skilled Drivers
- Entirely Manual Processes

NEXT

- Diesel Vehicles
- Semi-Manual Processes
- Controlled On-Site

BEYOND

- Electric Vehicles
- Autonomous Vehicles
- Controlled via Cloud Computing



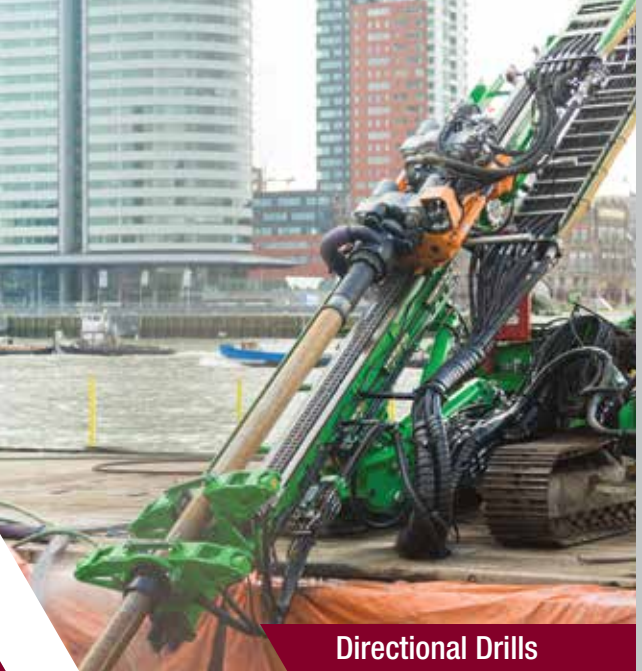
Propulsion Solutions

For your propulsion needs, Morrell Group calculates gradeability, traction control, speed, and torque performance to design optimized systems – always with full engineering performance design and safety in mind. All of our system solutions undergo stringent safety protocols to ensure your machines move safely.

- ☞ Bent Axis Motors
- ☞ Electric Drive Packages
- ☞ Foot Pedals
- ☞ Gear Boxes
- ☞ Joysticks
- ☞ Fixed Displacement Motors
 - Axial
 - Gear
 - Piston
- ☞ Variable Displacement Motors
 - Axial
 - Gear
 - Piston



Street Sweepers



Directional Drills



Sprayers

Tracked Vehicles



Harvesters





Mobile Screens



Fork Lifts



Combine Harvesters



Mobile Cranes



Propulsion Solutions

Our propulsion solutions support 2- and 4-wheel drive coordination and anti-slip traction control in any condition, which help us meet end-user demands for reproducible and smooth driving behavior with and without load. We can also accomplish horsepower limiting and support off-road cruise control with our reliable components and turnkey solutions.

- ⌚ Fixed Displacement Pumps
 - Axial
 - Gear
 - Piston
- ⌚ Priority Flow Control Valves
- ⌚ Steering Orbitals
- ⌚ Variable Displacement Pumps
 - Axial
 - Gear
 - Piston



Actuation Solutions

Actuation solutions from Morrell Group help you meet the challenges of today's markets as you gain access and control over the power, safety, and efficiency of your mobile machines. Rely on our tools for configuring custom, standard, and combination valve packages and achieving accurate repeatability of automatic and control functions.

- ☞ Control Valves
 - I/O Expansion Modules
 - Integrated Cartridge Valves
 - On/Off Valves
 - Proportional Valves
 - Sectional Control Valves
 - Stacked Valves
- ☞ Manifold Assemblies
 - Bankable
 - Custom
- ☞ Pneumatic Valves
 - CAN bus
 - Electric
 - Manual





Aerial Lifts



Rail Maintenance



Asphalt Distributors



Mobile Drilling



Street Sweepers



Material Handling



Defense



Agriculture



Vacuum Trucks



Actuation Solutions

Let Morrell Group's advanced technology and cutting-edge engineering solutions improve the efficiency, versatility, and performance of your next-generation machines. By coordinating components to meet optimum standards, our systems improve handling and increase precision in daily operations.

- ⌚ Compact Power Units
- ⌚ Cylinders
 - Electric
 - Hydraulic
 - Pneumatic
- ⌚ Motors
 - Fixed Displacement
 - Low Speed High Torque
 - Variable Displacement
- ⌚ Slew Drives
- ⌚ Swing Drives
- ⌚ Winch Drives

Optimization Solutions

Save time and money as our optimized solutions help to increase your system's longevity, prevent damage, and reduce downtime. Morrell Group adjusts to ever-changing industry standards and provides optimal solutions no matter your need – driving or working, hydraulic, hybrid or fully electric – including Tier IV final and stage V emissions regulations while monitoring the development of Tier V standards.

- ⌚ Accumulators
- ⌚ Cooling Systems
- ⌚ Diesel Fuel Filtration
- ⌚ Engine Flywheel Couplings
- ⌚ Fan Drive Packages
- ⌚ Filtration
- ⌚ Fluid Care
- ⌚ Lubrication
- ⌚ Mounting Accessories
- ⌚ Reservoir Optimization





Horizontal Grinder

Excavators



Mobile Cranes



Harvesters



Displays



Controls



Controls



Sensors

LORmobile[®]
controls





Electrification Solutions

Our electric, electronic, and digitally networked solutions offer innovative and comprehensive monitoring, service, and control concepts to help satisfy your constant and growing demands for operational availability, reduction in downtime, and detailed load and service management. Morrell Group can help you create your next generation of mobile machines with performance that give you access to increased power, safety, efficiency, and intelligence.

- ⌚ Controllers
- ⌚ Diagnostics
- ⌚ Displays
- ⌚ Electric Cylinders
- ⌚ Electric Ground Drives
- ⌚ Electric Auxiliary Pump Drives
- ⌚ Foot Pedals
- ⌚ Joysticks
- ⌚ Radio Remote Controls
- ⌚ Sensors
- ⌚ Telematics
- ⌚ Vision Systems

E Engineering Partner	S Systems Integrator	V Value-Added Distributor
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rexroth
A Bosch Company

HYDAC

SICK
Sensor Intelligence.

EMERSON | **AVENTICS**

GRACO

DOPAG

S Systems Integrator	V Value-Added Distributor
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APEX DYNAMICS, USA

AuburnGear

Cone Drive

M+S HYDRAULIC

MARZOCCHI PUMPS USA
HIGH PRESSURE GEAR PUMPS

**Certified
Excellence**
rexroth
A Bosch Company

V
Value-Added
Distributor

Daman
DRIVING EXCEPTIONAL PERFORMANCE

Hanna
cylinders

Made for Motion **KTR**

magnum

Mid-State
"FLUID TRANSFER PRODUCTS"

MURR ELEKTRONIK
stay connected

nexen.

R+W
A POWER & MOTION COMPANY

WIKAL
Part of your business

Propulsion

Bent Axis Motors

Electric Drive Packages

Fixed Displacement Motors

Axial
Gear
Piston

Fixed Displacement Pumps

Axial
Gear
Piston

Foot Pedals

Gear Boxes

Joysticks

Priority Flow Control Valves

Steering Orbitals

Variable Displacement Motors

Axial
Gear
Piston

Variable Displacement Pumps

Axial
Gear
Piston

Actuation

Compact Power Units

Control Valves

I/O Expansion Modules
Integrated Cartridge Valves
On/Off Valves
Proportional Valves
Sectional Control Valves
Stacked Valves

Cylinders

Electric
Hydraulic
Pneumatic

Manifold Assemblies

Bankable
Custom

Motors

Fixed Displacement
Low Speed High Torque
Variable Displacement

Pneumatic Valves

CAN bus
Electric
Manual

Slew Drives

Swing Drives

Winch Drives

Optimization

Accumulators

Diaphragm
Piston

Cooler Systems

Engine Combi Coolers
Heat Exchangers
Hydraulic

Diesel Fuel Filtration

Engine Flywheel Couplings

Fan Drive Packages

Electric
Engine Driven
Hydraulic

Filtration

Breather
Inline
Pressure
Return Line
Suction
Tank Mounted

Fluid Care

Lubrication

Automatic
Manual

Mounting Accessories

Reservoir Optimization

Electrification

Controllers

HMI's

Diagnostics

Displays

Electric Cylinders

Electric Ground Drives

Electric Auxiliary Pump Drives

Foot Pedals

Joysticks

Electronic
Hydraulic

Radio Remote Controls

Sensors

Angle
Distance
Flow
Position
Pressure
Proximity
Safety
Speed
Temperature

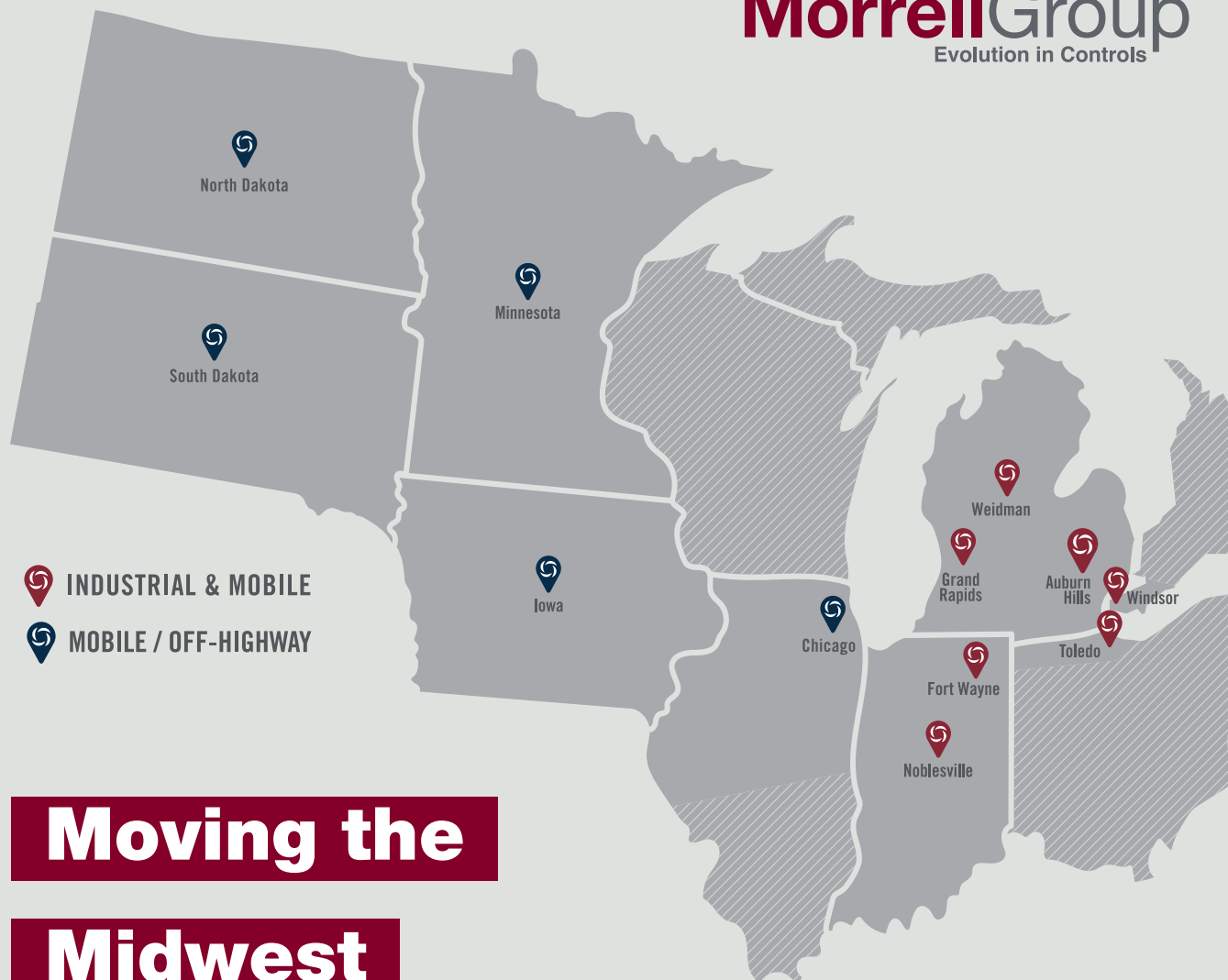
Telematics

Fleet Management

Vision Systems

3D
Collision Avoidance





Moving the

Midwest

MICHIGAN
Auburn Hills
248-373-1600

Grand Rapids
616-583-9390

Weidman
866-644-8622

INDIANA
Noblesville
317-849-7007

Fort Wayne
260-483-7070

ILLINOIS
Glendale Heights
630-858-4600

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OHIO
Toledo
419-365-3111

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Canada
Windsor
519-944-3877

Disclaimer

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