



MOBILE HYDRAULIC

JOYSTICK & CONTROL SOLUTIONS





NO MATTER WHAT AXIS
WE HAVE YOU COVERED

A DEDICATION TO QUALITY & RELIABILITY

Whether your duty cycle is high or your operators are heavy-handed, J.R. Merritt's extensive range of control solutions are hand-crafted and tested to withstand the harshest conditions and use. A stringent focus on quality control in our U.S.-based manufacturing facility ensures the utmost accuracy and quality of all our joysticks.

PRODUCTS SPECIFICALLY DESIGNED FOR YOU

Every controller we build is as unique as its application and operator. From the handle to the output technology, we partner with our customers to identify and engineer the controls that will meet and exceed the needs of their application. When choosing to work with us, consider our engineers and technical staff an extension of your own team.

ENGINEERING SUPPORT THAT GOES THE EXTRA STEP

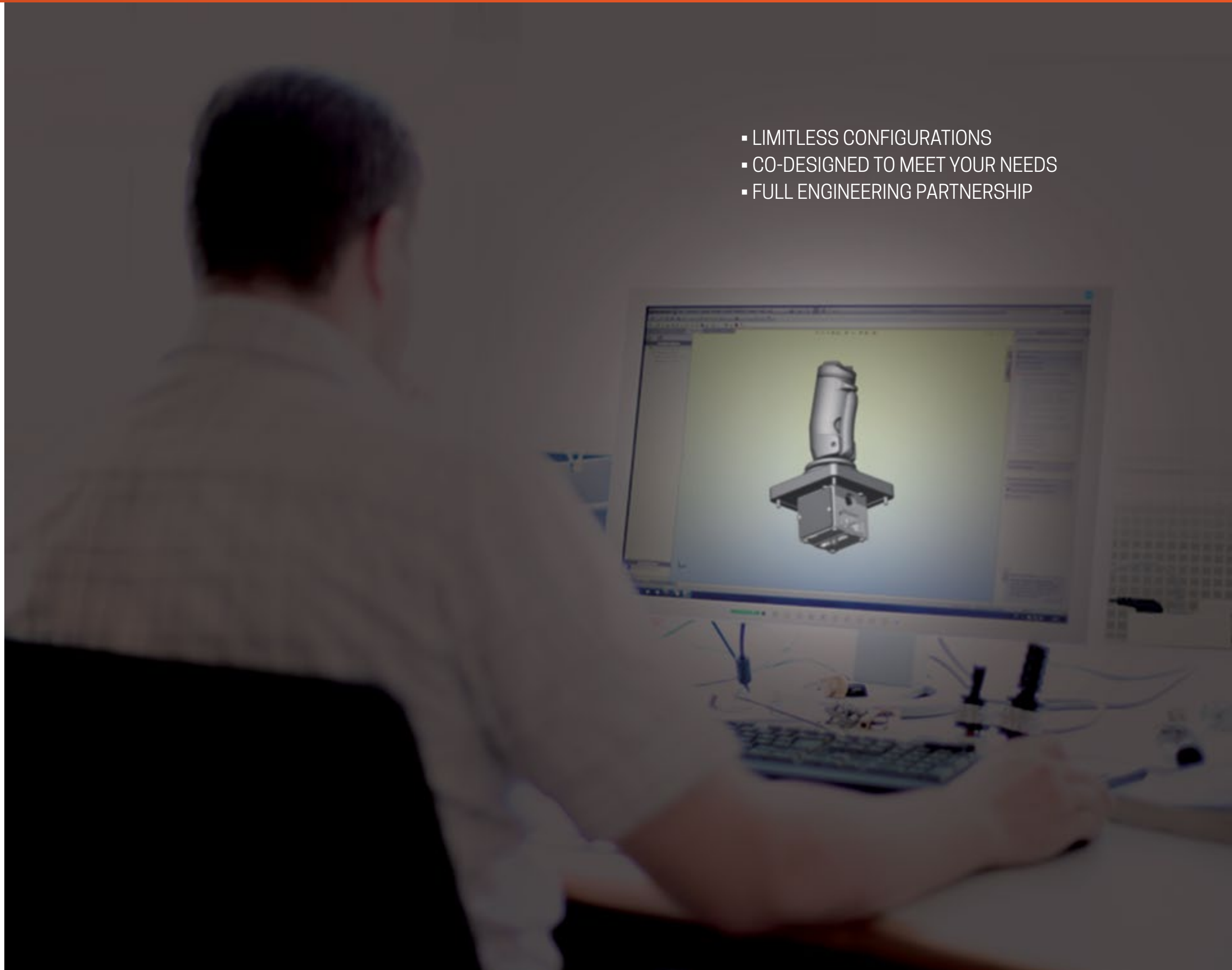
We go far beyond simply supplying controllers and chair systems for your machinery. Our engineering and design teams will work closely with you from concept through installation, thus becoming an extension of your development staff. With manufacturing, engineering and service based in the U.S., we are only a phone call away to provide support throughout the life of your equipment and operation.



LET OUR ENGINEERS **BE YOUR ENGINEERS**

With local and worldwide engineering support, we are capable and passionate about designing solutions that meet your most stringent requirements. Regardless of your industry, we take the time to understand the requirements of your application, so we can engineer the ideal solution that optimizes the operation of your equipment.

- LIMITLESS CONFIGURATIONS
- CO-DESIGNED TO MEET YOUR NEEDS
- FULL ENGINEERING PARTNERSHIP



QUALITY DRIVEN JOYSTICK CONTROLLERS

FEATURES & OPTIONS

- Single or multi-axis
- Non-contacting and contacting technologies
- Spring-return, maintained, or friction-held handle action
- Drop-in or panel-mounted base
- And more

APPLICATIONS

- Construction
- Agricultural & Forestry
- Road & Maintenance
- Marine



CONFORMAL-COATED ELECTRONICS
THAT **RESIST MOISTURE**



ENVIRONMENTAL PROTECTION
UP TO NEMA 4 / IP66*

*Does not apply to all joystick models.

SEE PAGE 13 FOR **CAN-BASED
MODULES & CONTROL SOLUTIONS**

PRO-4 | SINGLE AXIS



- High life controller
- Step, Stepless, Hall-effect, 4-20 & EHPV
- Multi-function handles

PRO-5 | SINGLE AXIS



- Heavy-duty cast construction
- Gasketing to IP56
- Potentiometer, Hall-effect, 4-20 and EHPV control

CS1 | MULTI AXIS



- Compact rugged design
- Potentiometer, Hall-effect & bang/bang control
- Multi-function handles

CS3 | MULTI AXIS



- Compact Hall-effect controller
- Drop-in mounting
- Plug and play
- Multi-function handles

CS3HD | MULTI AXIS



- Compact construction with drop-in mounting
- Hall-effect
- Multi-function handles
- Plug and play

NNSO | MULTI AXIS



- High duty cycle applications & rough handling
- Potentiometer, CAN bus, 4-20, EHPV & encoder
- Heavily populated multi-function handles

PRECISE & RUGGED JOYSTICKS

FEATURES & OPTIONS

- Single or multi-axis
- Non-contacting and contacting technologies
- Spring-return, maintained, or friction-held
- Drop-in or panel-mounted base
- And more

APPLICATIONS

- Construction
- Mining
- Agricultural & Forestry
- Road & Maintenance
- Airport Ground Support



FULLY CONFIGURABLE FROM THE
HANDLE TO THE OUTPUT TECHNOLOGY



**HIGH-RESOLUTION, SINGLE &
MULTI-AXIS PRECISION CONTROLS**

*Does not apply to all joystick models.

VCS2 | MULTI AXIS



- Heavy-duty controller
- Potentiometer, EHPV, 4-20 & bang/bang
- Several handle choices

XL-VNS0 | MULTI AXIS



- Heavy-duty, slim-line
- Drop-in mounting
- Potentiometer, EHPV, 4-20 & Encoder

PRO-6 | SINGLE AXIS



- Rugged controller
- Heavy-duty friction brake & spring return
- Potentiometer, Hall-effect, 4-20 & bang/bang
- Limited handle choices

M3 | MULTI AXIS



- Compact finger-operated controller
- Hall-effect

FS1 | SINGLE AXIS



- Compact Proportional finger switch
- Hall-effect

NS3 | MULTI AXIS



- Rugged controller, drop-in mounting
- Integrated electronics
- Potentiometer, Hall-effect, PROFIBUS & CAN bus
- Multi-function handles
- Protective canister at base

PURPOSE BUILT JOYSTICK HANDLES

FEATURES & OPTIONS

- Push buttons
- Rocker switches
- Handle twist
- Thumbwheel
- Mechanical interlock
- Deadman functions



CONFIGURABLE WITH A RANGE
OF BUTTONS AND ROCKER SWITCHES



**CAPABLE OF TWIST AND VARIOUS
DEADMAN FUNCTIONS**

BH



MG27



MG1



RHS



MG2



FG-3



MG9 / MG25



FG-4



MG13



FG-5



TH20



FG-6



OPERATOR CHAIR SYSTEMS

FEATURES & OPTIONS

- Full range of seat and console adjustability
- Rotating or fixed base
- Flip-up or fixed consoles
- Mechanical or pneumatic suspension
- Velour or vinyl seat upholstery



PORTABLE & REMOTE OPERATOR CONSOLES

FEATURES & OPTIONS

- Joysticks and pilot devices configured to your requirements
- NEMA 4 - IP54 weatherproof sealing
- Breast plate with simple harness offers comfort for extended work periods.*



* Breast plate not offered with FGP-02



HFC-100



FSA/FSAD & LFC/LRC



GRAMMER ACTIMO



FGC-01-A



FGC-03



FGP-02

CAN-BASED MODULES & CONTROL SYSTEMS

FEATURES

- Configurable to CANopen, J1939 or basic CAN protocols.



Partnering with the Trionic Group, we offer complete electronic control systems for industrial vehicles from concept to production. Associated solutions include:

- AC Controllers
- AC Motors
- Load Cells
- Wide Angle Transducers
- Pressure Transducers
- Hand-Held Calibration Tools



WANT MORE INFORMATION?



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- SPARE PARTS & INSTALLATION INSTRUCTIONS
- NEW PRODUCTS & COMPANY NEWS

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