

WOODFIELD

Safe Hands

METERING AND PROCESS SKID SOLUTIONS



ABOUT WOODFIELD

Woodfield Systems International is a premier design, manufacturing, sales & service organization providing customized bulk fluid handling and safety access solutions for loading and unloading product in the oil & gas, chemical, petrochemical and aviation sector.

Woodfield Systems International manufactures loading arms, safety access systems and metering/processing skid systems integrated into a complete solution to meet the needs of our clients.

Designed and manufactured by an experienced team of dedicated engineers, and backed by an experienced international sales force, Woodfield Systems International has created a strong base of loyal customers in the oil, gas and chemical transportation sector in the Middle East, Far East, Indian Sub-continent and the CIS.

As our products, services and capabilities expand, so does our international reach. We continue to expand our sales and support channels into other international markets through partnering with strong ambitious companies that share our passion for achieving excellence through honesty, integrity and devotion to providing the best total solution for our clients.

With an inherent culture for product and service development backed by an **ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007, PED:CE and AD 2000-Merkblatt HP0/DIN EN ISO 3834-2** Integrated quality management system and a passionate leadership team, Woodfield Systems International will continue to keep all our clients and team members "in safe hands"...

www.woodfieldsystems.com

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METERING SKID SOLUTIONS

Woodfield Systems International design and manufacture metering, pumping and blending skid systems and integrate them with the entire bulk fluid handling operation for maximum operational efficiency and return on investment.

With an experienced international team operating within an ISO 9001 quality management program we provide precision, quality, support and value to every bulk fluid handling operation for:

- Bulk Terminal loading and blending for refined fuels
- Truck and rail loading and unloading for chemical, industrial, fluids and compressed gases
- Custody transfer and LACT skid systems
- Trans-loading and metering

Fully custom engineered solutions to suit customer specific requirements, skid mounted packages using state of the art design technology and industry recognized standard principal components.



FEATURES AND CAPABILITIES

- Single source for Skids, Loading Arms, Hose, Couplers and Safety Access Systems
- Experienced custom engineering solution provider
 - Metering skids
 - Pumping skids
 - Compressor skids
 - Custody transfer skids
 - Trans-loading skids
- Available for refined fuels, crude oils, chemical and industrial fluids, aviation fuels, compressed gasses and cryogenic applications LNG, Ethane, etc.
- Vapour balancing and vapour recovery where applicable
- Sizes NPS2 to NPS20. Loading arms up to NPS10
- Multiple meter technologies
 - Coriolis
 - Positive Displacement
 - Turbine
 - Ultrasonic
 - Magnetic
 - Bi Rotor
- Utilization of world-class component manufacturers
- Standard usage of world-class control system components, FMC, LC, Emerson, Honeywell.
- Meter proving capabilities and systems
- Standard compliance with International standards and practices: ASME, ASTM, ISO, API RP1004, API RP 1101, API RP2003, API MPMS, W&M, OIMLR117, OSHA 1926, IEC, NEC Article 500
- Enclosures and housings for electronics compliant to suit each application
 - NEMA
 - Zone 1 & 2, Division 1 & 2
- Experienced in-house design team utilizing state of the art design and verification tools.
- Structural design validation using proprietary software and FEA.
- Sampling systems
- BS&W probes

- Fully wired control and security systems mounted in appropriate EX housings/panels
- SCADA system operator interface. Local or remote mounting
- In-house skid fabrication, testing and system integration
- FAT. & SAT. capabilities

Custom Controllers and Interface Systems

- On-site training with end user as standard
- Upgradable licensed SCADA software:
 - Wonderware
 - iFix
 - Simplicity
- Customer control panel with customizable display
- PLC or PAC internal architecture
 - SCADA interface
 - Touch screen and/or keyboard
 - Loading program management
 - User interfaced graphic screens for tag number, valve position, alarms etc.
 - Archive data summary store for alarm history, audit trail, trends etc.
 - Self diagnostic capabilities
 - Entry code, password control and lock out
- Industrial work station grade PC with 19"/26" flat monitor
- LED screen
 - Touch screen monitors or keyboard
 - Printer
 - Windows based operating system



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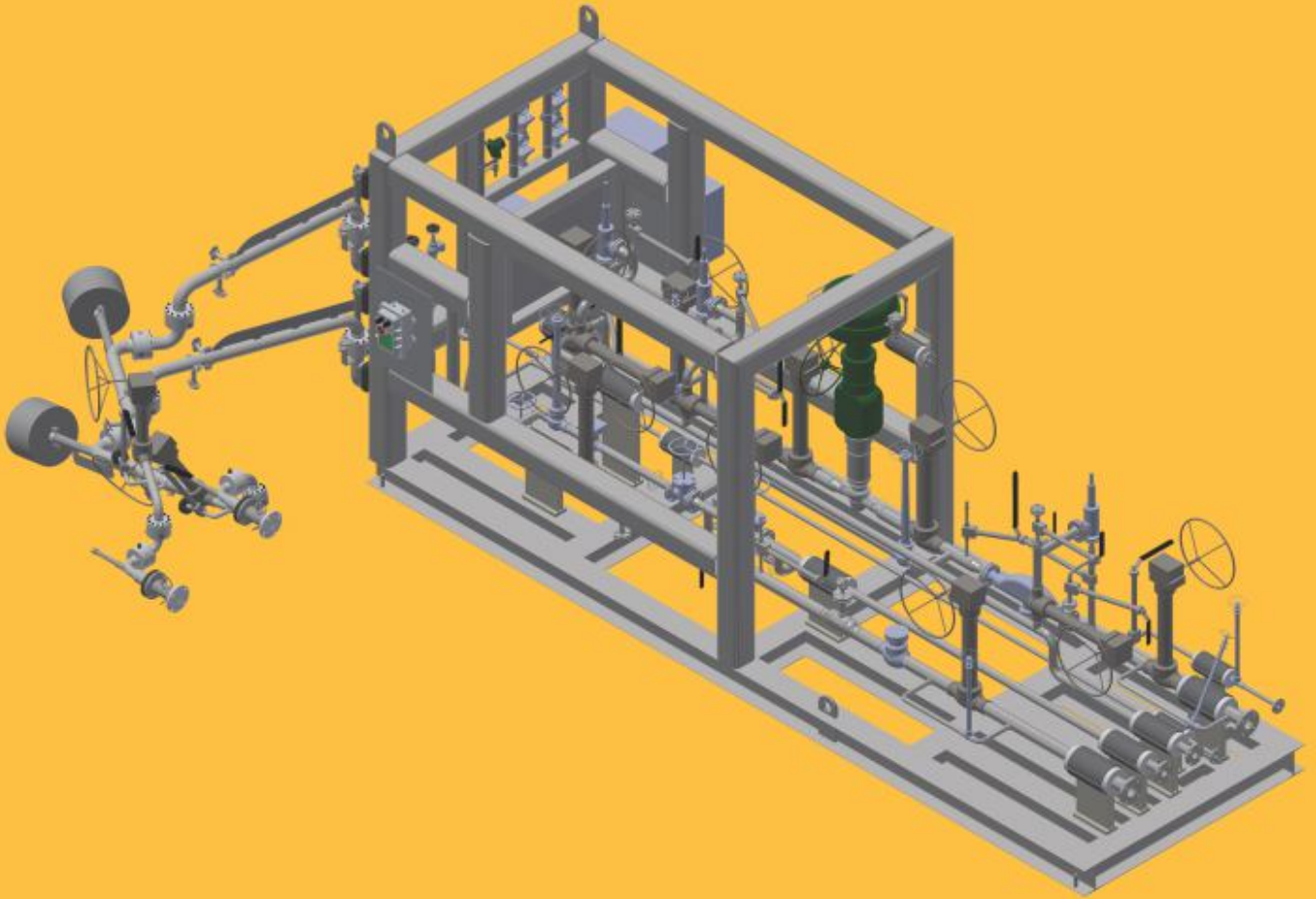
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LNG Truck Loading Skid



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