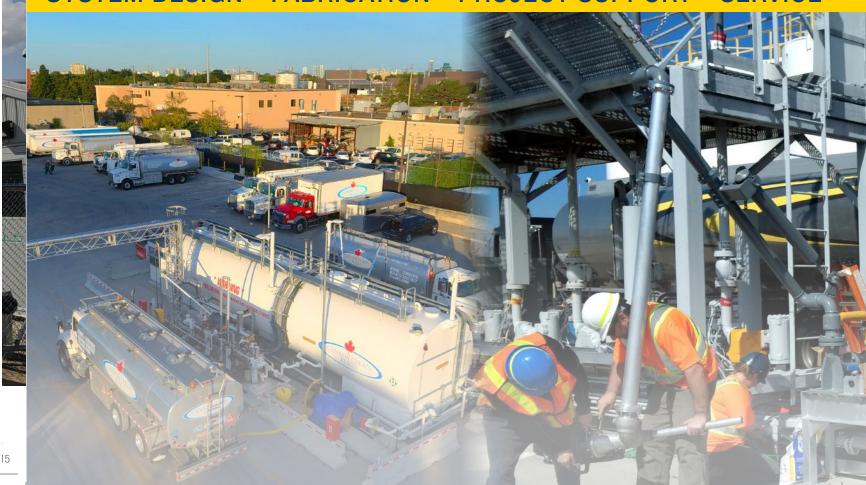
# **EXAMPLE Automation Solutions**

Emerging technologies and best practices for fuel integration.

# SYSTEM DESIGN • FABRICATION • PROJECT SUPPORT • SERVICE



# **PROFESSIONAL SERVICES AND EQUIPMENT SOLUTIONS**

# TECHNOLOGY AT WORK FOR YOU

### CONNECTING YOUR BUSINESS TO THE TECHNOLOGY RESOURCES YOU NEED

National Energy Equipment Inc. is committed to providing exceptional professional services to our customers in the energy, resource and process industries. Our services cover the full spectrum from concept to operation.

We provide project solutions with the lowest total life cycle cost while meeting every customer's unique requirements. Delivering profitability and sustainability to their business whether a new venture or redevelopment of existing assets.

Industry leadership in health, safety and environmental performance. Our outstanding operational excellence and corporate responsibility differentiates us from our competition. Our greatest strength is our people. They are passionate about what they do, committed and empowered to take ownership of every challenge.



# FLEXIBLE SOLUTIONS FOR YOUR BUSINESS NEEDS

### **PROVIDING TOTAL END TO END SOLUTIONS**

Our professional services group are a dedicated business unit within National Energy Equipment possessing the versatility and flexibility to serve as a sole supplier, member of a team, subcontractor or service provider in order to respond more effectively to the variety of our customer's needs.

Whether our customers require multiple or single aspects of our services we tailor solutions to suit. In addition to consulting, design, drawings, product specification, product supply, technical support, project management, fabrication, start-up commissioning and on-going maintenance we will also:

- Liaison with regulatory agencies and levels of government
- Communicate with engineering, operations, IT, electrical, mechanical and maintenance departments
- Co-operate with and organize on site trades like electrical and mechanical installation contractors
- Design PLC controls and software integration
- Provide operator, maintenance training and remote diagnostics

### SUPPORT SOLUTIONS

- Business Solution Based Consulting
- System Design
- System Drawings
- Product Specification
- Product Supply

- Project Technical Support
- Project Management
- Custom Fabrication
- Start-Up Commissioning
- On-Going Maintenance





# **SYSTEMS THAT WORK**

We have the track record, technical expertise, financial resources and systems to deliver mid to large scale and complex projects. As our many repeat customers have come to know, they can always rely on National Energy Equipment to be innovative and accountable throughout the life of a project unless they are 100% satisfied.

We solve problems.

### PLANTS AND TERMINALS

For processing plants, truck and rail terminals we specialize in liquids handling:

Storage

•

- Additive Injection
- Pumping
- Terminal AutomationWet Stock Management
- Flow MeasurementCustody Transfer
  - Custody Transfer Bulk Loading/Unloading
- Monitoring And Control Systems
- Product Blending

### **MOBILE TRANSPORT**

For short or long haul transportation and vehicle delivery systems we design, fabricate and mount tank barrels, fuel handling equipment and on board point-of-sale and communication devices. Transport Canada B620 compliance installation, service and inspections.

### FLEET, AIRPORT, MARINE AND POWER GENERATION BACK UP

For commercial fuel operations our range of expertise in gasoline, diesel, DEF, jet fuel, alternative and renewable fuels includes:

Storage

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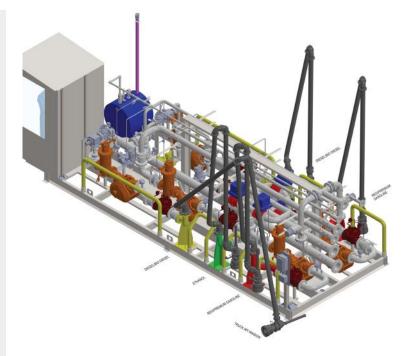
Pumping

- Wet Stock Management
- Environmental Compliance
- Refueling Fleet/Card-lock Access
- Filtration

### **RECENT PROJECT EXAMPLES:**



- **BIO-DIESEL BLENDING** tank truck top and bottom loading with additive systems and web-based integrated inventory management for multiple sites (Columbia Fuels)
- RAIL AND TRUCK loading, off-loading and trans-loading facility with blending, additive systems, terminal automation and software integration (Wascan Terminals)
- PAINT BLENDING facility, touch screen operation, PLC control for twelve feedstock liquids, six staging tanks and four scales with inventory control and production reporting (Ennis Paints)
- LOCOMOTIVE FUELING facilities, turn-key project with on-going service and operations support, redesign of all liquid handling systems, PLC controls, fuel management and environmental compliance for 30+ fully integrated and automated sites throughout North America (CN Rail)



# DECADES OF EXPERIENCE

In business since 1947 with 15 branches coast to coast and over 500 employees, National Energy Equipment has successfully completed hundreds of large scale and complex projects in the energy, resource and processing sectors.

# **DEAL WITH CONFIDENCE**

National Energy Equipment, Inc. is the largest distributor of energy related equipment in Canada, providing service from Vancouver Island to Newfoundland. The combined resources of 15 branches across Canada and a culture of operational excellence combine to create a multi-million dollar Industrial Distribution and Service Company with a full range of world class product lines. With over 500 employees to serve your needs, NEE's objective is to provide the best sales and service support in our industries, while synergizing product offerings for optimum benefit to our customers.

Our greatest strength is our employees. We have technical sales and service coordinators at each of our locations and full-time account managers traveling to serve businesses in all provinces. Our associates are fully knowledgeable on the products we promote. We arrange training schools and educational seminars on a regular basis to keep our employees, and our customers, up to date on new products, safety and industry standards.

We maintain strong alliances with our manufacturers so that we can, in turn, offer extra value to our customers on the products we sell.

We are responsive to the marketplace, as we constantly revise and update our product range. We pride ourselves with delivering the most comprehensive suite of professional services to the energy sector in Canada. By leading innovation, creating value for our customers and prosperity for our people we are able to recruit and retain the brightest minds in the industry. With dedicated technical directors, trainers and certification programs, those wishing to enter the industry can learn a rewarding career at National Energy Equipment.

## ELECTRICAL REGISTERED CONTRACTOR

BC, AB, SK, MB, ON

**REGISTERED ENGINEERING COMPANY** BC, SK, MB, ON

### **QUALIFICATONS:**

Mechanical and Electrical Engineers PMP Project Managers Certified Engineering Technologists and Technicians Design Draftsman (3D and 2D) Master and Red Seal Electricians

# AN ENERGY INDUSTRY LEADER SINCE 1947

NEE is the largest Energy Equipment distributor and service company in Canada. NEE engineers, fabricates, installs, commissions, and supports fuel storage, blending, custody transfer, and fuel management systems throughout North America.

Our work with Canada Clean Fuels has included specialized upgrades to their blending systems such as:

- Bottom load B100 splash blending
- Single source BOL when splash blending B100 into diesel pre-
- Ioaded trucks
  Variable rate dye injection to accommodate clear B100
   blending into pre-dyed diesel



- Blending rates from B2 B50 Truck fuel from loading rack with variable blends
- NATIONAL ENERGY EQUIPMENT INC.

VANCOUVER	NANAIMO	EDMONTON	CALGARY	SASKATOON	REGINA	WINNIPEG	MISSISSAUGA	MONTREAL	MONCTON	DARTMOUTH	ST.JOHN'S
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