



A Division of NRGPS Ltd.

**INNOVATIVE, PRACTICAL
ENERGY SOLUTIONS.**



SPECIALIZING IN THE DESIGN & MANUFACTURING OF OILFIELD PROCESS EQUIPMENT

1-888-NRG-2442 | www.NRGPS.com | sales@NRGPS.com

THE NRG LEADERSHIP TEAM



WANT TO CHAT? sales@NRGPS.com

THOMAS CHADWICK - CO-FOUNDER, PRESIDENT

As the President of NRG Process Solutions, Thomas uses his expertise in oilfield process equipment manufacturing to drive our innovative, timely, practical solutions. Prior to founding NRG in 2006, Thomas started, owned and operated multiple oilfield manufacturing companies and is the sitting President of all NRG's affiliated companies.

TROY CHADWICK - CO-FOUNDER, EXECUTIVE DIRECTOR

With over 20 years of progressive experience in the oil and gas equipment manufacturing sector, Troy focuses on ensuring client's needs, requirements and expectations are effectively communicated to the NRG team.

P. 403.998.3207 E. troyc@nrgps.com

KYLE CHADWICK, P.ENG. - CO-FOUNDER, ENGINEERING MANAGER

Kyle is a licensed professional engineer through APEGA and a graduate of the engineering program at the University of Calgary. With over 20+ years of technical experience within the oil and gas industry, Kyle is instrumental in all technical aspects within the NRG organization.

SCOTT PHILLIPS - BUSINESS DEVELOPMENT

Utilizing his Bachelor of Science Degree in Geology and his progressive wellsite geologist experience, Scott focuses on developing professional connections and identifies solutions within the oil and gas sector throughout North America.

P. 403.510.9898 E. scottp@nrgps.com

LOUIS GURICA - DRAFTING MANAGER

As a graduate of the Manufacturing Engineering Technology program at SAIT, Louis has more than 7 years of extensive experience within the oil and gas equipment manufacturing sector. Louis is proficient in CADWorx and AutoCAD software and is instrumental in managing and executing all drafting services within NRG.

JESSIE WAGSTAFF - ACCOUNTS MANAGER

With over 7 years of administrative and accounts management experience, Jessie manages client accounts to ensure accuracy in accounting, invoicing and administration.

LORI PETERSEN - SALES SUPPORT SPECIALIST

Lori has extensive Project Controls experience in various EPCM organizations. She supports NRG sales initiatives with her diverse skill-sets in database management and tracking analytical information critical to project success.

RYAN BERNALES, P.TECH.(ENG.) - TECHNICAL SALES SPECIALIST

Ryan is a graduate of SAIT's Chemical Engineering Technology program and has achieved his P.Tech.(Eng.) designation from ASET. He brings 12+ years of oil and gas facility and pipeline construction experience throughout Western Canada and abroad to the NRG team.

ABOUT NRG

NRG Process Solutions (NRG) was founded in 2006 by Thomas, Troy and Kyle Chadwick with the primary objective to create innovative designs for oil and gas production equipment. We strive to develop packages that provide practical and timely solutions for our customers. Designed with functionality and simplicity in mind, our packages ensure your equipment is running efficiently, effectively and at full production levels.

Since our inception 13 years ago, we have grown into the NRG Group of Companies with the goal of offering our customers a finished product with every stage of the manufacturing process completed in-house.



NRG GROUP OF COMPANIES

NRG PROCESS SOLUTIONS IS THE SALES, DESIGN AND DRAFTING DIVISION OF THE NRG GROUP OF COMPANIES. IT IS ALSO THE PARENT COMPANY OF CAPE MANUFACTURING LTD, WESTCAN DISTRIBUTION, AND BLUE DIAMOND DESIGN CORP.



CAPE MANUFACTURING

www.CAPEMFG.com

Cape is NRG's largest manufacturing arm whose core strength lies in the ability to produce ASME "U" Stamp pressure vessels and fully packaged, field ready units.



BLUE DIAMOND DESIGN

www.BLUEDDCORP.com

Blue Diamond's core focus is to supply manufacturers of pressure equipment with drawings, designs and calculations.



WESTCAN DISTRIBUTION

www.WESTCANDISTRIBUTION.com

Westcan Distribution specializes in supplying the oil and gas industry with the components and supplies required for successful project execution.

THE NRG PACKAGED VESSEL

NRG's fully engineered, custom packaged vessels provide our clients with a streamlined, simplistic solutions, as we maintain one vendor and one contact point all the way from design to delivery. Our 4 step process is committed to adding value through innovative, practical, time-efficient solutions.

Successfully delivering projects on time and on budget, our packaged vessels come complete with project documents, warranty and support. NRG utilizes a 4 step approach to provide our clients with:

- ④ SINGLE CONTACT POINT FROM DESIGN TO DELIVERY
- ④ IN-HOUSE ENGINEERING & DESIGN SERVICES
- ④ CONTROLLED MANUFACTURING ENVIRONMENT
- ④ PRE-CONSTRUCTION DRAWING & MODEL COMPLETION
- ④ STREAMLINED SERVICE

“ NRG takes each project from design to delivery, meaning I only have to communicate and coordinate with one vendor rather than 10.

The vessels are designed, manufactured, packaged and delivered on time and on budget. Their process makes the project more streamlined and my life a lot easier. ”

– Zach Voithofer, Staff Facilities Engineer, Guidon Energy

OUR 4 STEP APPROACH



STEP 1: SCOPE & DESIGN SPECIFICATIONS

The client provides vessel scope, flow rate, fluid analysis & pressure specifications. NRG is the sole project vendor and strives to provide solutions that resolve the issues our clients are currently facing.



STEP 2: PROPOSAL & IMPLEMENTATION STRATEGY

The client approves commercial & technical scope. Approval of drawings, PSV, capacity, flow, meter and pipe flow calculations, control valve sizing, skid design, etc. 3D drawings and schedule are issued for approval.



STEP 3: PROJECT EXECUTION

NRG procures the raw materials to begin fabrication. The client is provided with a detailed project schedule and interactive dashboard. Vessel fabrication and packaging occurs in a controlled environment allowing for consistent completion of high quality products that meet delivery obligations.



STEP 4: DELIVERY SERVICE & SUPPORT

NRG schedules and provides shipping to the clients facility location. Our packaged vessel come with warranty, high level field service support and complete 3D Isometric Auto CAD models for seamless integration into your plant design.



NRG'S STREAMLINED PROJECT EXECUTION

The NRG packaged vessel provides streamlined project execution as one company delivers the project from start to finish in a controlled manufacturing environment. NRG eliminates potential overages to timelines and budgets by removing the costs and variables of communication and coordination with multiple vendors; as well as the risk of inconsistencies associated with field assembly and building. Our experienced professionals will plan, design, construct, deliver and maintain any size of project.

OUR COMPETITIVE ADVANTAGE

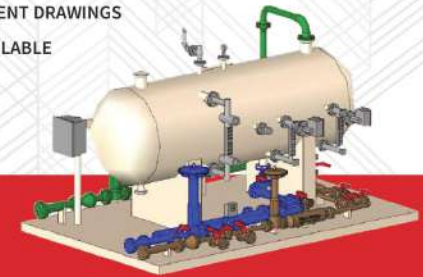
EVERY TIME THE PROJECT CHANGES HANDS THERE ARE POTENTIAL OVERAGES TO BUDGET AND TIMELINE.

3D DESIGN

Offering a full range of custom engineered solutions, NRG is committed to delivering reliable and accurate designs and construction drawings. Our talented drafting technicians develop operator friendly, easy to understand, executable construction drawings.

To help our clients maximize their outcomes, NRG compliments every package with interactive 3D Isometric Drawings, giving them the ability to fully interact with the model using a basic adobe PDF reader. Our clients have the capability to freely rotate drawings on all 3 axis, zoom in and out, and remove layers to see further detail. NRG is committed to successfully delivering projects in a faster, more cost-effective manner than our competitors.

- ⊕ VESSEL DESIGN & DRAWINGS
- ⊕ P&ID AND LINE LIST
- ⊕ BUILDING DRAWINGS
- ⊕ GENERAL ARRANGEMENT DRAWINGS
- ⊕ P.ENG STAMPING AVAILABLE
- ⊕ INTERACTIVE 3D PDF



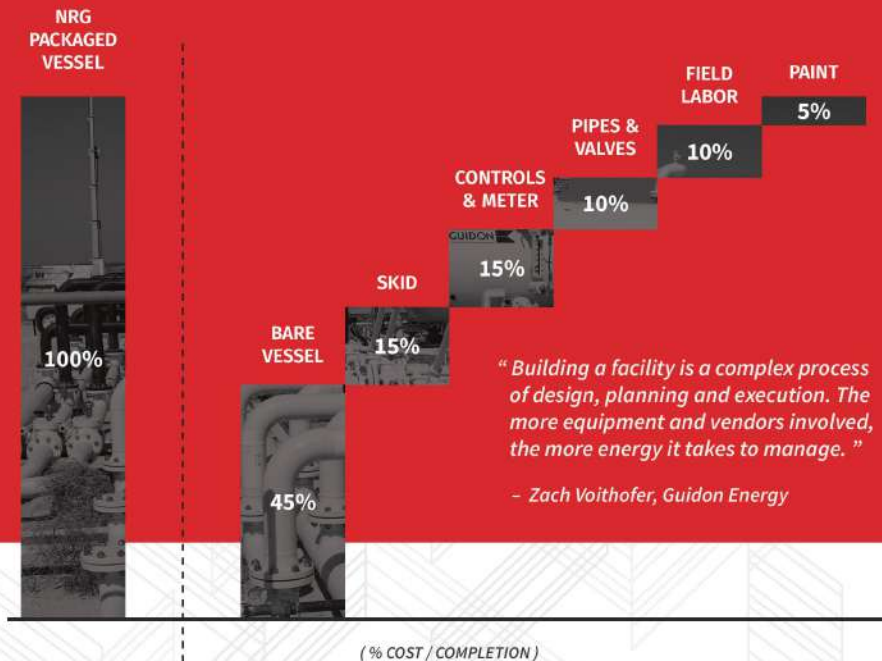
PRODUCTS

- ⊕ PRESSURE VESSELS
- ⊕ SEPARATORS
- ⊕ HORIZONTAL TREATERS
- ⊕ VERTICAL TREATERS
- ⊕ FWKO'S
- ⊕ PUMP PACKAGES
- ⊕ VRT TOWERS
- ⊕ DEHYDRATORS
- ⊕ STAINLESS STEEL VESSELS & PIPING
- ⊕ INLET TEST SEPARATORS
- ⊕ GROUP TEST SEPARATORS
- ⊕ PORTABLE TEST UNITS
- ⊕ FLARE KNOCK OUTS
- ⊕ FLARE STACKS
- ⊕ METER SKIDS
- ⊕ TANKS
- ⊕ RECONDITIONING



SERVICES

- ⊕ FULL PACKAGE DESIGN & DRAFTING
- ⊕ ASME 'U' STAMP PRESSURE VESSEL MANUFACTURING & PACKAGING
- ⊕ STRUCTURAL STEEL WELDING (CWB CERTIFIED)
- ⊕ STAINLESS STEEL PRESSURE VESSELS & PIPING
- ⊕ FIELD SERVICE SPECIALIZATION
- ⊕ EXPERTISE IN SIZING AND TROUBLE - SHOOTING TREATERS & SEPARATORS
- ⊕ VESSEL MODIFICATIONS & REPAIRS



" Building a facility is a complex process of design, planning and execution. The more equipment and vendors involved, the more energy it takes to manage. "

- Zach Voithofer, Guidon Energy

INTERNATIONAL DISTRIBUTION

KUWAIT 72" X 10' HORIZONTAL SEPARATOR

In collaboration with OilPro, NRG facilitated the fabrication of four 72" x 10' horizontal test separators built for our clients in Kuwait. These units came equipped with high end Coriolis meters in order to measure their 11 API oil. NRG was tasked to design and install an effective desand system for all four units.

NEW ZEALAND 42" X 10' HORIZONTAL SEPARATOR

In another international collaboration between NRG and Oilpro, NRG facilitated the fabrication of several 42" x 10' horizontal separator package built for clients in New Zealand. These unit came equipped with full sour service components, and were specifically designed to fit inside an ISO container for economical shipping.



" NRG's team is a trusted OilPro partner when innovative ASME vessel and piping solutions are called for. NRG accommodates us from concept to drawing and from registration stages to the final packaged product. NRG keeps us competitive without compromising on the quality OilPro's Canadian and international clients demand, while being easy to work and communicate with. NRG's seamless integration between its design and fabrication facilities help OilPro deliver on time, on budget every time. "



– Olav Cramer,
OilPro Oilfield Production Equipment Ltd.

THE NRG GUARANTEED DELIVERY

NRG is committed to meeting the delivery requirements of our clients. When we state a shipping date, **WE WILL MEET IT**; whether we strategically optimize our process, add critical resources or assess and identify the critical path beforehand. At NRG, it is our priority to understand and exceed our customer's expectations and delivery requirements.



SHOP CAPABILITIES

With NRG's 50,000 sq ft manufacturing facility, every stage of a project is completed in-house to maintain our prestigious quality standards. Our team is devoted to delivering quality integrity, safety, and accountability.

- ⊕ 50,000 SQ FT OF SHOP SPACE
- ⊕ 100,000 MAN HRS/YR
- ⊕ 250 TON PACKAGE CAPACITY
- ⊕ 60 TON VESSEL ROLLERS
- ⊕ STEEL REINFORCED 2' THICK FLOORS
- ⊕ RAIL ROAD TRACK ASSEMBLY LINE
- ⊕ SANDBLASTING
- ⊕ PAINT BOOTH
- ⊕ 11 LARGE BAY DOORS
- ⊕ 20 TON INDOOR SHOP CRANES

FIELD SERVICE SPECIALIZATION

NRG's field and operational support services assist our clients on-site to increase the overall value and performance of your equipment. Our dedicated specialists perform thorough inspections and resolve operational issues allowing you to fine tune your operation. From start-up to de-commissioning, NRG will have your equipment working better for longer. Our scope includes:

- ⊕ TREATER & FREE WATER KNOCKOUT OPTIMIZATION
- ⊕ BURNER SYSTEM COMBUSTION ANALYSIS
- ⊕ COMBUSTION EQUIPMENT MAINTENANCE & HEALTH CHECKS
- ⊕ INSPECTION & UPGRADING TO CSA B 149.3 COMPLIANCE
- ⊕ BURNER OPTIMIZATION
- ⊕ ON-SITE OPERATOR TRAINING
- ⊕ ON-SITE TROUBLESHOOTING & DIAGNOSIS
- ⊕ TURNAROUND ASSISTANCE

NRGMAX TREATERS

NRG specializes in bucket treaters, vertical treaters, packed treaters, and free water knock outs. Our manufacturing sister companies custom build the nrgmax treater to meet our clients specifications and regulatory requirements. Our highly effective units maintain tight emulsions, lower API applications, strip the majority of gas off and where applicable provide excess room for water.



THE NRG PARTNERS

NRG's partnership approach means that we can provide our customers with value-added products and services to further increase project execution efficiencies. We strategically align ourselves with the following partners to provide our clients with cost and delivery savings through turn-key solutions.



Customized, High Quality Flare Stacks.

FlareTech Inc. is a family run business based out of Stettler, Alberta that designs, engineers and manufactures custom flare systems to suit all flaring applications. With over 35 years' experience, FlareTech is committed to delivering the highest quality of innovative, efficient and effective products at competitive prices. All products and equipment are designed and manufactured to meet customer specifications and regulatory requirements. Each product at FlareTech is completed to the highest of standards and is built to last.



Cost Effective, Pre-Manufactured Electrical Services.

With our partner, Tandem Electric & Controls Ltd., NRG offers complete field and in-house electrical and instrumentation services. NRG is committed to installing the majority of electrical tie ins at our shop, reducing inconsistencies in cost savings due to uncontrolled schedules and environments. Through proper planning, most disruptions can be identified and addressed before they are able to impact the final delivery. Once the unit is delivered to site, the field team offers fast, accurate and cost-effective solutions from design engineers to facility hook up and from SCADA to even programming.



Reduce Cost. Increase Production. Maximize Efficiency.

Based in Midland, Texas, Elite Optimization is the premier optimization company for oil and gas production. Elite Optimization provides consulting on engineering, field operations and well work activities. They can take on very specific or very ambiguous projects. The specific service or way they approach a project depends on the needs and expectations of the client. Elite also looks at an entire operation/function as an "open - opportunity" to find optimizations for their clients. Regardless of the project or work scope, the goal is to deliver value, working to continually identify opportunities to maximize efficiencies, increase production and/or reduce cost.



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