

Reactor & Catalyst Services

Contract Resources continue to set new standards in reactor and catalyst handling services. By providing a genuine multi-skilled workforce we ensure optimal performance and productivity, whilst maintaining a safety record that sets us apart from others in the industry.

Our unique and comprehensive training systems enable Contract Resources to offer a complete 'blind to blinds' range of services for reactors, vessels and columns from one integrated team.



CATALYST SERVICES

- Pre-commissioning of reactors and vessels
- Services in inert and toxic atmospheres plus hot & hostile environments
- Reactor cooling utilising a proprietary liquid nitrogen system
- Unloading and loading of catalyst under inert or normal atmospheres
- Dense phase loading of vertical and horizontal vessels
- Innovative purpose built equipment ensuring low catalyst attrition rate
- Catalyst sampling
- Catalyst screening, density grading and oxidation
- Vacuum unloading with closed loop nitrogen re-circulation



- Catalyst transportation, storage and containment (UN approved containers)
- Catalyst loading of reactors using UOP® dense loading and conventional techniques
- Tubular Reformer loadings using Unidense® loading and conventional techniques
- Pre-sulphiding (DMDS Injection)
- Metals reclamation and disposal of materials
- Video inspection and assessment
- Shutdown planning, coordination and execution
- Acid Plants



MECHANICAL SERVICES

- Vessel blinding and isolation
- Vessel repairs, de-bottlenecking and internal modifications
- Cold cutting using Ultra High Pressure water
- Specialised welding and repairs
- Ultra-thermic and plasma cutting
- Preparation for weld inspection
- Bolt tensioning, bolt torquing and nut splitting
- Mothballing and demolition
- Chemical cleaning and decontamination

SAFETY AND TRAINING

Contract Resources aim is flawless safety performance with a target of zero incidents. This is achieved utilising a fulltime safety management team to provide internationally recognised and respected safety training programs and systems.

- Highly-skilled trainers utilise superior, unique in-house facilities to provide specialised, tailored training and refresher courses to OSHA standards. These include confined space entry, breathing apparatus (helmet and mask systems), advanced first aid and rescue techniques, height safety training, rope access, gas detection and monitoring etc.
- Specialised equipment, designed by our dedicated Equipment Innovations Group with input from our operations personnel, increases safety and enhances performance.

PRODUCTIVITY

Contract Resources ability to work on critical path items and deliver them in record time is second to none. More than a specialised services company, we offer solutions to specific problems, not just the supply of labour and equipment. Supplying genuine multi-skilled teams selected for individual projects being undertaken, ensures minimum down time and maximum reactor/catalyst life.

- Collaborate with clients to ensure work scope and best practices are identified and implemented.
- Reactor technicians are highly trained and selected on their work ethic, technical knowledge and ability to perform work safely.
- Dedicated and experienced safety personnel ensure jobs are done safely and efficiently.



COST EFFECTIVENESS

The combination of our Safety, Quality and Productivity performance has ensured that Contract Resources are the most efficient team in the industry. To learn more about our worldwide network of happy customers and more of the benefits of working with our team visit our web site at www.contractresources.com

QUALITY

The Contract Resources name stands for quality and technical expertise with the company being ISO-9001 certified. We work with our clients to establish specific Inspection & Test Plans mirroring the project's specific needs and client requirements.

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