



# ENGINEERED SOLUTIONS

Providing the engineering support to keep your operations running efficiently and effectively.

## SERVICES

Turnkey capital engineering projects, revamps, de-bottlenecks

- > Process
- > Civil/structural
- > Piping/mechanical
- > Instrumentation and electrical

Phase gate engineering projects

Fixed equipment and piping engineering services

Finite element analysis

Full design and stress capabilities

P.E. registration

Pressure vessel engineering: new construction, alteration, re-rate and repair

API tank engineering

Pipe stress analysis

Local stress investigation

Root cause failure analysis

Constructability reviews

Critical lift planning and review

Specialty tool design

As-built documentation

3D laser-scanning technology use for:

- > Virtual workspace for new projects
- > Dimensional as-built verification
- > Clash detections

Dimensional control and traditional survey

Metrology/laser tracker solutions





 <b>ROTATING EQUIPMENT &amp; TURBOMACHINERY</b>	 <b>ENGINES &amp; RECIPROCATING COMPRESSORS</b>	 <b>MECHANICAL &amp; HEAT EXCHANGERS</b>
 <b>PIPING &amp; SPECIALTY WELDING</b>	 <b>TOWERS</b>	 <b>FIELD MACHINING &amp; TECHNICAL BOLTING</b>
 <b>INSTRUMENT &amp; ELECTRICAL</b>	 <b>VALVE SOLUTIONS</b>	 <b>REPAIR &amp; FABRICATION SHOP SERVICES</b>
 <b>TANK SOLUTIONS</b>		 <b>ENGINEERED SOLUTIONS</b>

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