



WorleyParsons

resources & energy

EcoNomics™

WorleyParsons Dallas Structural Engineering Services





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WorleyParsons, Dallas Operations, has built a reputation as a responsive, solutions-driven organization with strong technical qualifications and a proven record of accomplishment by delivering high quality, niche engineering services at cost competitive prices.

Areas of specialization include:

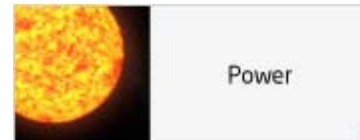
- Structural Feasibility Studies
- Structural Analysis/Design
- Structural Engineering for Facility Upgrades
- Structural Engineering Maintenance for Facilities

Our Scope of Services varies from standalone structural integrity evaluations to full EPCM contracts.

WorleyParsons' goal is to exceed customer expectations by focusing on a strong commitment to structural efficiency and integrity, both achieved with minimal operational disruption and maximum economy. Engineering solutions are developed with these factors in mind coupled with a solid understanding of structural function and mechanics. WorleyParsons successfully executes strong schedule performance and effective cost control, and delivers innovative, high quality products and services. The end results of our engineering efforts are sustainable solutions achieved by expending minimal time and money.



Minerals & Metals



Power



Hydrocarbons



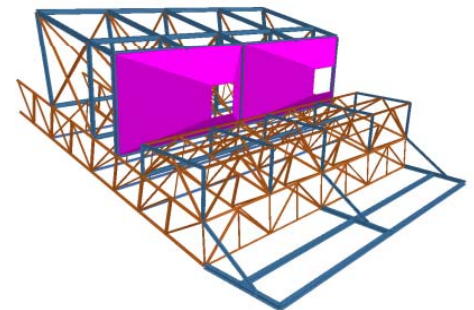
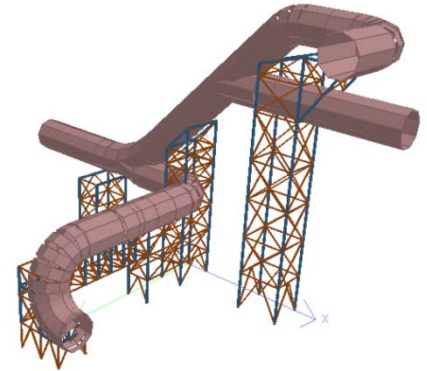
Infrastructure & Environment



Structural Engineering and Design

Specialized in Onshore Industrial Projects, our Structural Engineering team has extensive experience in a variety of environments. Our services span across both greenfield and brownfield applications. Specific capabilities include:

- Steel and concrete structure analysis and design
- Duct and plenum design
- Baghouse, drop-out box and spray chamber design
- Stack design
- Tank, silo and bin Design
- Exhaust hood design
- Foundation design
- Finite element analysis
- Connection design
- Constructability reviews
- Structural damage analysis
- Structural retrofit
- Verify Integrity and Structural Code compliance of existing structures
- 3D holistic modeling
- Shop Fabrication drawings
- As-built drawings

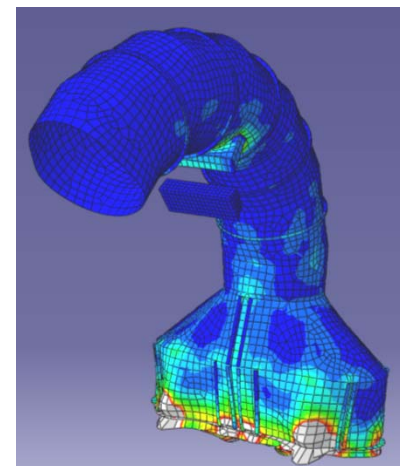


WorleyParsons, Dallas Operations, works closely with the structural engineering entities within the company throughout the globe and is thus enhanced by a vast pool of expertise, knowledge, and resources. This allows WorleyParsons to optimize the engineering process and provide competent and competitive solutions.

Detailed Engineering Resources

WorleyParsons, Dallas Operations, has a broad array of Resources which include:

- A strong structural engineering and design team
- Familiarity with International Structural and Engineering Codes
- A highly specialized in-house Process / Mechanical team available for quick reference and design input
- State of the art 3D analytical / modeling / design software – **STAAD, Autocad, Autoplant, & Inventor**
- State of the art FEA capabilities – **Abaqus**
- Mobile engineer/designer teams with quick turn-around times
- PE Registrations in multiple states





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For further information about our capabilities,
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