

ENERGY SERVICES

From providing structural evaluations for solar companies to designing piping for refineries, Epic has years of experience helping clients deliver energy to their customers. We can help you set up the needed infrastructure for any sector, from midstream oil to renewables. Our team can provide everything from design to construction management to inspection, maximizing your project dollar in any market.

DESIGN AND CONSULTING

Whether you're building something new or upgrading an existing energy production facility, Epic Engineering has the qualified personnel and the experience to make your vision a reality. Our licensed civil, structural, and geological engineers can approach your project with the expertise and skills to see your project through from start to finish, on time and on budget.

In addition to the projects and services described throughout this brochure, we can provide the following for energy companies:

- Structural evaluations for solar panel installation
- Solar array design
- Hydroelectric system design
- Foundation design
- Electrical system plan review
- Refinery piping, mechanical systems, and storage design
- Facility road and railway design
- Site plans
- Stormwater system inspection and design
- Wastewater reclamation design
- Holding pond design
- Injection wells
- Geotechnical evaluations and mitigation plans
- Special inspections

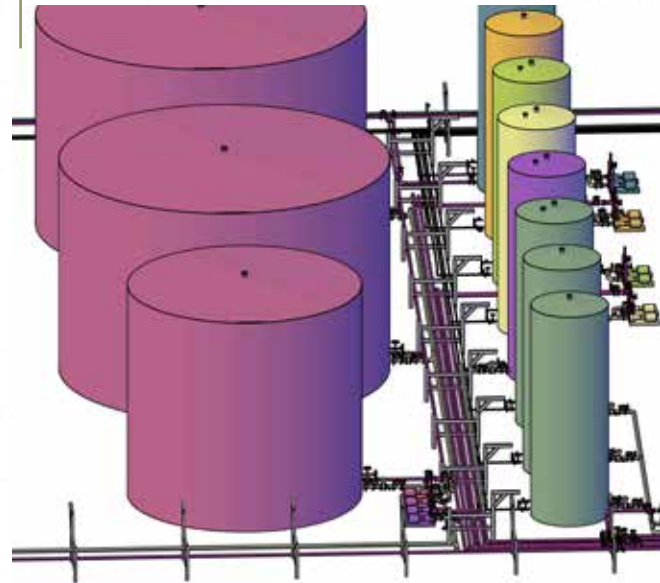
STRUCTURAL EVALUATIONS FOR SOLAR

Epic Engineering has contracted with multiple Western solar vendors to provide structural analyses prior to residential panel installations. Our process is thorough, yet efficient and cost-effective, so our clients can rely on a quick turnaround for their customers. In recent years we have provided hundreds of roof evaluations for clients like Auric Solar, Ion Solar, New Star Solar, and Alliance Solar in Utah, Colorado, Oregon, Idaho, and Texas.



REFINERY DESIGN & REVIEW

Epic provided all of the civil design, mechanical design, structural design, piping, and process engineering for a \$27 million oil refinery in Rock Springs, WY with trucking import and railroad export. Additionally, we have provided tank and piping design for other refineries, as well as steam lance designs for tanks storing tallow and asphaltene.



WHO IS EPIC?

Epic Engineering, P.C., was founded in 1997 to provide civil engineering services to municipalities. Over the last 20 years we have expanded our offering to become a full-service architecture and engineering firm with more than 60 employees at multiple offices throughout the West. We provide our clients with a single contact who has access to teams of experts. From design to construction management to inspection, we help clients turn concepts to reality.



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HYDROELECTRIC

Epic Engineering has provided designs for hydro mini-plants, as well as services for larger hydro projects. Most notably, our construction Management team partnered with the Jordanelle Special Service District (JSSD) to oversee the construction a hydroelectric plant at the base of the Jordanelle Reservoir in Utah. Our team provided field and laboratory material testing services and ICC special inspection services. These services included testing of soils, aggregate, concrete, and special inspection of reinforced concrete.



HOLDING PONDS & RECLAMATION

Epic has designed multiple storage ponds for energy producers, including three ponds of 600,000 to 800,000 barrels for Newfield Exploration in Duchesne County, Utah. The ponds store water for the fracking process. Epic also provided survey, inspection, and material testing for the project.

KEY PERSONNEL



KOREY WALKER, PE

Mr. Walker is the **principal-in-charge** for energy projects at Epic Engineering and has almost 30 years of experience in civil engineering. He was raised in the oil fields, working in refineries, location, and mid-stream, and comes with a deep understanding of the energy industry. He has designed and managed over \$850 million worth of projects and has project management skills and technical expertise in municipal, industrial, water resources, planning, and environmental engineering. His project management and design experience includes pump stations, large- and small-diameter piping, water quality, water treatment, water storage, roadway design, environmental, industrial piping, and oil and gas lines.



KYLE CARLSON, PE

Mr. Carlson is the **lead electrical design engineer** at Epic Engineering. With a bachelor's and master's degree in Civil Engineering from Utah State University, he has more than 10 years of experience in a variety of services, including electrical designs for multiple pump stations, refineries, solar arrays, commercial office buildings, and large apartment complexes. Mr. Carlson has experience with motor control centers, pumps, exterior lighting, interior lighting and electrical systems for industrial, commercial, and residential developments. He has also been involved in the design of several solar PV systems and in the quality control review of many more solar PV designs by various installation contractors.



ADAM HUFF, SE

Mr. Huff is the **structural engineering lead** at Epic. He graduated from Utah State University in 2001 with a bachelor's degree in Civil Engineering. Since then, he has focused specifically on structural engineering and has performed many designs for large and small scale commercial projects, municipal buildings and custom homes. Mr. Huff is licensed as a structural engineer in Utah and Wyoming and as a professional engineer in Idaho, Colorado, New Mexico, Nevada, Washington, Oregon, and Georgia.

LET'S TALK ABOUT YOUR NEEDS.

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