



Coffman Engineers, four decades providing unique fit-for-purpose solutions

Firm with diverse multidiscipline services offers on-the-ground experience in Alaska's most challenging conditions

Q. What is the official name of your company?

A. Coffman Engineers, Inc.

Q. What do you most want people to know about your company?

A. Coffman has been working in Alaska for more than 40 years. We develop design solutions for a variety of petroleum industry clients and facilities. Our extensive experience includes offshore and onshore oil and gas production, processing, storage terminals, cross country and subsea pipelines, Arctic and adverse weather conditions, remote locations, and mature facilities needing significant upgrades. Our clients know and trust Coffman and look to us for unique design solutions. Coffman's team mixes experiences with the latest technologies and proven systems to provide creative solutions to our clients. We recognize that clear and open communication with our client, vendor, and the multiple disciplines both within and outside our firm are keys to reaching the best possible solutions for every project.

Q. Where is your company located?

A. In Alaska, our office is located in downtown Anchorage. We

have 18 additional office locations throughout the lower 48 and Pacific Rim.

Q. What year was the company founded and by whom?

A. Coffman was founded in 1979 by Dave Coffman. One of Coffman's very first jobs was located on Alaska's North Slope supporting oil production.

Q. What is your company's primary business activity?

A. Coffman is a multidiscipline engineering firm in Alaska offering a variety of engineering disciplines including civil, structural, mechanical, electrical, chemical/process, corrosion control, fire protection, piping, and instrumentation and controls engineering, as well as commissioning and project management services. We work in the upstream, midstream, and downstream markets of the oil, gas, and petrochemical industry. We also work in the industrial, federal, local government, and commercial market sectors.

Q. Are there important projects the company is currently a part of or has done recently?

A. Coffman has many longstanding relationships with owners throughout Alaska's oil and gas production, transportation, and processing industry. We have worked with many of these clients for more than 40 years. These relationships have allowed us to work



on a variety of projects throughout Alaska. Our work includes numerous and ongoing jobs across the North Slope, various production platforms and facilities throughout the Cook Inlet, the Trans Alaska Pipeline, the Port of Alaska, and much more.

Q. How many employees does your company have?

A. Coffman has 110 employees located in our Anchorage, Alaska office. We have 600 total employees with 18 additional offices companywide.

Q. Describe the equipment your company uses and are there any new equipment purchases planned? Does your company use any unique equipment or software for project support?

A. One unique capability Coffman offers is the combination of 3D laser scanning and 3D CAD modeling. When used together, the combination of 3D scanning and 3D CAD modeling is a powerful tool for green field and brown field work. Over the years, many facilities have not kept up with as-building their drawings and when it comes time for updates, multiple and lengthy site visits are needed to as-found current conditions. Laser scanning can be done in one site visit depending on the size and scope of the project and provide a 3D scan of the entire project area with high detail and the ability to take measurement from the designer/engineer's desk. These laser scans can then be loaded in an AutoCAD drawing, and a 3D design software can be used to design civil, structural, mechanical, and electrical components. This helps bring more accuracy to tie-in locations, helps avoid potential conflict/clashes, and can help with routing through complex and crowded areas.

Q. Is your company expanding any of its operations or locations?

A. Coffman continues to grow its presence in the lower 48 through several recently opened offices.

Q. Is the company changing any of its services or products?

A. Coffman has added chemical/process engineering capabilities to our long list of engineering offerings to Alaska's oil, gas, and refining industry. Coffman's process engineering capabilities include process engineering support for all project phases; P&ID/PFD development; heat and material balance preparation; process simulation creation and modification; equipment sizing, specification, and selection; instrumentation and valve sizing, specification, and selection; process optimization and debottlenecking; project basis of design development; process control narrative development; relief valve sizing and evaluation/audit of existing relief valves; and process pumping systems.

Coffman has also added fire protection engineering in the last few years, including a group focused on industrial facilities. Our team provides fire protection engineering for tankage, modules, and equipment for the oil and gas industry.

Q. What is your company's main strength or its edge over the competition?

A. Through decades of work with oil and gas production, transportation, and processing clients, Coffman has developed a scalable design approach that allows our engineers to act quickly while keeping the big picture in mind. We call this fit-for-purpose engineering. Under this approach, we work with the client to provide the most practical solution that aligns with the real-world application of the system or equipment. Our team is flexible and listens



COFFMAN ENGINEERS, INC.

carefully to provide clients with the level and depth of services they desire. If the client requests us to provide a simple, hand sketched design, that is what we provide. Similarly, we can also assemble a multidiscipline team of engineers and designers to provide a complete design package meeting all requirements of the client's documentation and management of change program, if requested. We are proud of this and look forward to working with our clients in this way.

Q. Does your company have an anniversary or other landmark event coming up?

A. Coffman celebrates 42 years in business in 2021.

Q. Has your company been involved in any community projects or charity events?

A. Coffman routinely supports various community projects and charity events. Many of our employees donate their time through active involvement with a multitude of nonprofit organizations both inside and outside the engineering industry. Corporately, Coffman has strong ties with the American Red Cross, and supports their initiatives in both Alaska and the lower 48. Locally, Coffman has recently supported the annual "100 Miles in May" event put on by Healthy Futures, the Alaska Resource Education Kenai Golf Tournament, the Food Bank of Alaska, and many other nonprofit organizations.

Q. What is the address of your company's Web site?

A. www.coffman.com