

The Largest Independent Provider of End-to-End E&P Software and Services

Today's oil and gas industry must embrace change to find new solutions for project and operational certainty. At Emerson, we integrate new technology into our subsurface solutions and geoscience services to drive top quartile performance for our customers. The Emerson E&P Software offering, comprising Paradigm and Roxar solutions, aims at helping oil and gas operators increase efficiency, reduce costs and improve return on investment. Our end-to-end geoscience and engineering software portfolio enables customers to transform their organizations and workflows. By connecting subsurface technology to operational activities, we help decision makers reduce uncertainty, improve confidence, minimize risk, and support responsible asset management.



Our Mission

- We help our partners maximize hydrocarbon production with lower capital costs and greater certainty.

About Us

- Over 30 years of technological leadership in the oil and gas industry.
- A portfolio of more than 1000 customers in every major oil and gas producing region, including global, national, regional and independent oil and gas companies, and E&P service companies.
- Global team of 800 regionally located, including 100 Ph.D's.
- Forty locations worldwide, offering sales, support and training.
- Active supporter and sponsor of industry education, research and development in the geosciences.
- A leader in machine learning methodology for geoscience data, enabling quick and reliable identification of geologic facies from seismic and wellbore data.
- Cloud-based application provider, specifically tuned to the oil and gas E&P industry.
- A revolutionary seismic imaging and analysis solution (EarthStudy 360[™]) that provides the industry's most detailed information about subsurface geology.
- A pioneering technology (Big Loop[™]) that tightly integrates dynamic and static parameters, preserving data integrity from seismic to production.
- A native cloud application (Paradigm[™] k) offering oilfield automation through incomparable performance.

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Emerson E&P Software Domains

Seismic Processing & Imaging

Advanced and robust processing, imaging and velocity analysis technologies provide high-resolution and accurate velocity models, depth images and additional properties of the subsurface, such as fracture orientation and stress fields. The resulting outputs ensure a better understanding of the subsurface geology and improve decision making regarding exploration, development, and production projects. Emerson E&P Software Processing and Imaging solutions are fully integrated with interpretation and modeling products, for a seamless data flow between the different domains.

Interpretation & Modeling

Innovative solutions improve productivity without compromising quality, by merging interpretation and modeling processes in a common environment. Automated and interactive tools enable users to interpret and accurately model complex structures and identify stratigraphic features in a highly efficient manner. Uncertainty is captured throughout the interpretation process to generate multiple realizations and build accurate and robust reservoir models, enabling optimal reservoir management decisions.

Reservoir Characterization

Emerson E&P Software technology enables geoscientists to transform wellbore data into solutions for governing reservoir management programs and optimizing hydrocarbon recovery. Users can seamlessly connect geophysical and petrophysical data to locate and evaluate new prospects and maximize production in proven fields.

Reservoir Engineering

A full range of reservoir engineering and simulation tools enhances user confidence in reservoir management decisions. Capabilities extend beyond reservoir simulation to the gridding and upscaling of geological models, visualization of results, assisted history matching, and production uncertainty

prediction. A collaborative environment facilitates transfer and iterations between geological models and flow simulation, ensuring reliable production forecasts, reserves estimation and development risk assessment.

Well Planning & Drilling Engineering

A highly integrated portfolio of well planning and drilling technologies helps improve well planning accuracy, reduce drilling risk, and optimize wellbore placement. Emerson E&P Software helps operators develop their production plans and drilling programs by generating accurate reservoir models, regardless of reservoir type. During drilling, the software updates drilling data in real time and integrates it into the geologic model, producing a continuously updated model.

Production Modeling

Intelligent production management solutions help production and reservoir engineers meet key challenges in oil and network to processing facilities. Ensuring the successful and economical flow of hydrocarbon stream from the reservoir to the surface is crucial, and both risk mitigation and optimal design are needed to reach a profitable target. Our integrated flow assurance and production modeling tool provides state-of-the-art simulation processes in one unique interface, to help reduce operational costs while increasing production.

Data Management & Interoperability

The Emerson E&P Software data management and interoperability framework provides users with a robust, scalable platform for the management of exploration and production data. This advanced science platform integrates Emerson E&P Software solutions and third-party vendor applications. It enables customers to incorporate their own technology and is an enabler for automated workflow management.

Exceptional people, breakthrough innovation and leading science.

Emerson is a global technology and engineering company providing innovative solutions for customers in industrial, commercial, and residential markets. Our Emerson Automation Solutions business helps process, hybrid, and discrete manufacturers maximize production, protect personnel and the environment while optimizing their energy and operating costs.

To learn more, please visit emerson.com/epsoftware or email us at epsinfo@emerson.com