



Infographic report

How does digitalization impact supply chain restraints?

The challenges of digitalization for oil & gas companies

A successful digitalization effort is a powerful tool for organizations looking to grow, evolve and improve across the board. Yet, taking the first steps to implementing a digital transformation strategy is not without its challenges. These include:

01

High costs and heavy investment

Time, money and other resources are needed to build and maintain a digitalization strategy and program. This can feel overwhelming and be de-prioritized for other 'more immediate' needs.

02

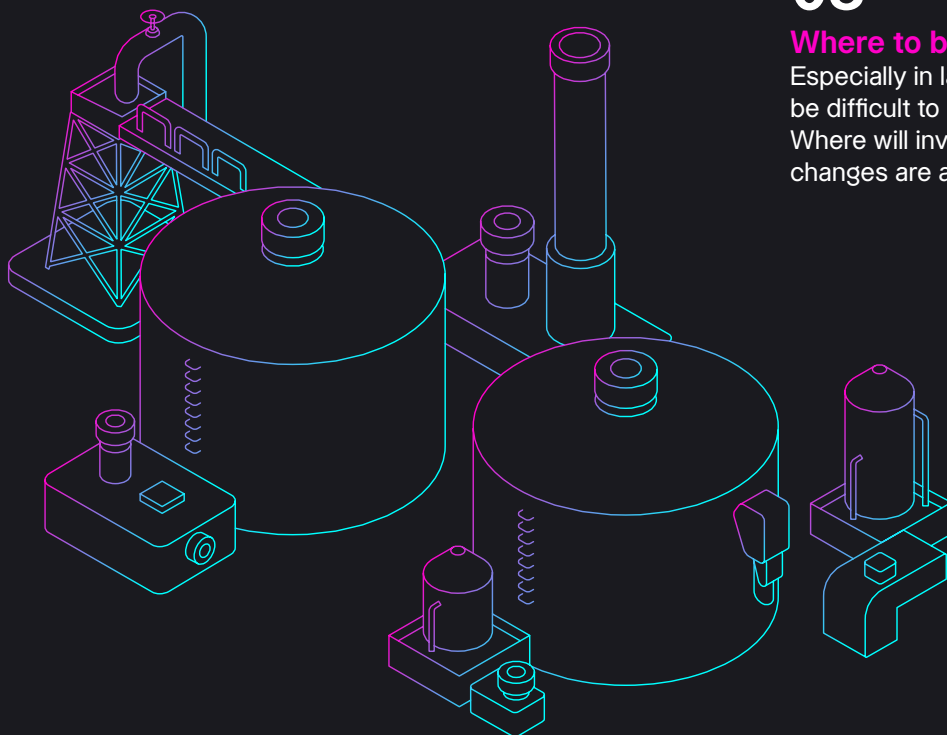
Stakeholder buy-in

New tools or processes may be difficult to present to stakeholders who may feel hesitation toward change.

03

Where to begin?

Especially in larger or more complex organizations, it can be difficult to know where to begin with digitalization. Where will investments best be used? What if sweeping changes are adopted without the desired results?



The **biggest challenge** to achieving a successful digitalization program is simply not having one.

"Digital transformation offers a suite of solutions to supply chain restraints by enhancing visibility across the entire supply chain."

Ali Ibrahim

Senior Industry Consultant, Octave

"Without a [digital transformation] strategy, you don't have a direction to go in."

Bob Hooper

Senior Industry Consultant, Octave

Why digitalization is worth the investment

Digitalization is key to overcoming supply chain restraints and ensuring the future success of oil & gas projects. To make continuous improvements and steer the industry into the future, developing a digital supply chain is crucial. Organizations that welcome this will find greater resiliency, cost-efficiency and gain a competitive advantage.



Greater reliability

Access to the right data in near real-time will help companies to meet challenges such as delays, disruptions and other uncontrollable events. It also helps energy providers across multiple areas to coordinate better to provide an unwavering service.



More flexibility & agility

Visibility across the supply chain is essential. Technologies such as blockchain and IoT unlock up-to-date data at each stage so any obstacles within the supply chain, from shipping to inventory levels, can be sidestepped and managed in good time.



Smarter decision-making

The data and deep insights provided by AI-enabled technologies, gives you a complete oversight of your operations and projects. See more clearly where improvements can be made, what is working well and where investments in time, money and resources are most beneficial.



The right data at the right time streamlines operations

AI opens more opportunities to capture rich data. It's these insights that help drive automation and paint an accurate picture of exactly what the future for a project or facility could look like, as opposed to only loose predictions.

Technologies at top of mind



AI



Digital twins



Predictive analytics



Cloud Computing

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