

## The oil and gas plant of the future

Enable the ongoing energy transition while remaining competitive

[Download our whitepaper](#)

The transition to sustainable energy will require flexibility and innovation, underpinned by digital transformation.

The exploration and production system, processing plant, and refinery of the future will be equipped with technology to:



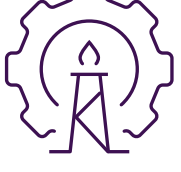
**Have full visibility** of information with no data silos between teams



**Codify digital capabilities** for agile working avoiding costly mistakes and delays



**Enable continuous innovation** to gain competitiveness while addressing sustainability targets



**USD 1.6 trillion**

in value is expected from digital transformation in the oil and gas industry<sup>1</sup>



**1.3 million tons**

of carbon-equivalent emissions reduced as a result of digital transformation by 2025<sup>1</sup>

## #1 priority for oil and gas businesses: Reducing operational risk and improving resiliency<sup>2</sup>



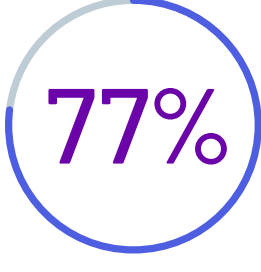
### You can only improve what you can measure

A digital twin strategy can empower oil and gas industry workers with:

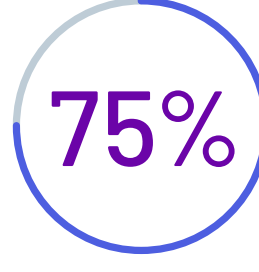
- actionable insights to reduce risk and maximize efficiency
- sustainable decision making
- agile plant operations

AVEVA's solutions are enabling real-world oil and gas companies to create digital twins to improve project design and delivery – supporting goals such as adding carbon capture and storage capabilities, adapting to creating or using blue or green hydrogen, and running improved plants smoothly.

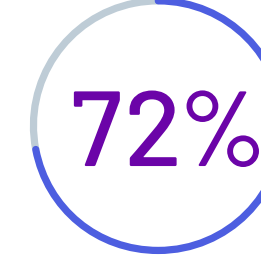
### Top barriers to digital transformation for oil and gas<sup>3</sup>



Limited knowledge sharing



Insufficient digital training



Lack of digital talent

### Success story

AVEVA's solutions enable Shell to deliver safe and sustainable training and improve overall environmental and human safety on site<sup>4</sup>

#### Zero risk training

Operators practice high-risk tasks in a fully-simulated environment

[Read more](#)



### AVEVA: Delivering sustainable business value for over 50 years



**20,000+**  
industrial enterprises



**6,500+**  
employees



**5,500+**  
partners



**5,700+**  
certified developers

### The connected, digital plant of the future starts here

AVEVA's solutions provide Owner Operators and Engineering, Procurement and Construction companies (EPCs) with comprehensive digital engineering solutions that span greenfield and brownfield projects and deliver digital twins to operations.

[Learn more](#)



#### Sources

1. "Digital Transformation Initiative: Oil and Gas Industry," World Economic Forum, January 2017  
<<http://reports.weforum.org/digital-transformation/wp-content/blogs.dir/94/mp/files/pages/files/dti-oil-and-gas-industry-white-paper.pdf>>
2. "Digital Transformation in Oil and Gas amid Market Uncertainty and IMO 2020", IDG, June 2020,  
<<https://sw.aveva.com/campaigns/imo-2020-digital-transformation-idx-whitepaper>>
3. "2020 Digital Operations study for energy: Oil and gas", PwC, 2020,  
<<https://www.strategyand.pwc.com/gx/en/insights/2020/digital-operations-study-for-oil-and-gas/2020-digital-operations-study-for-energy-oil-and-gas.pdf>>
4. "Shell Operations Mastery Project by AVEVA", AVEVA,  
<<https://www.aveva.com/en/perspectives/success-stories/shell-operator-training-system/>>