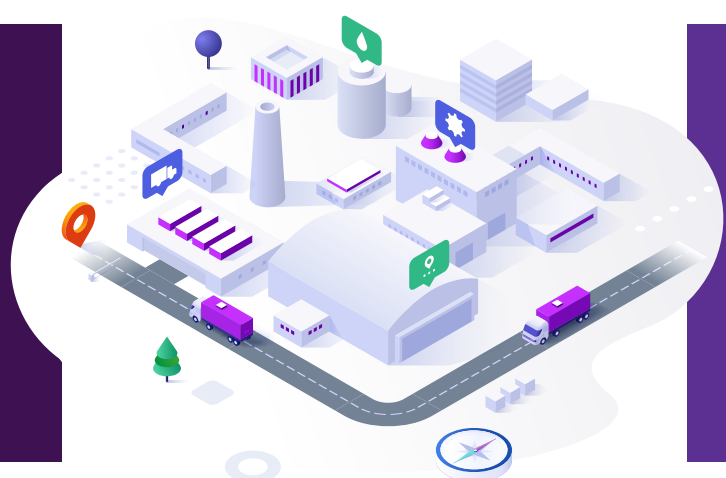# AVEVA

Agility in oil and gas

Optimize your value chain and improve your operational agility for a new era of energy
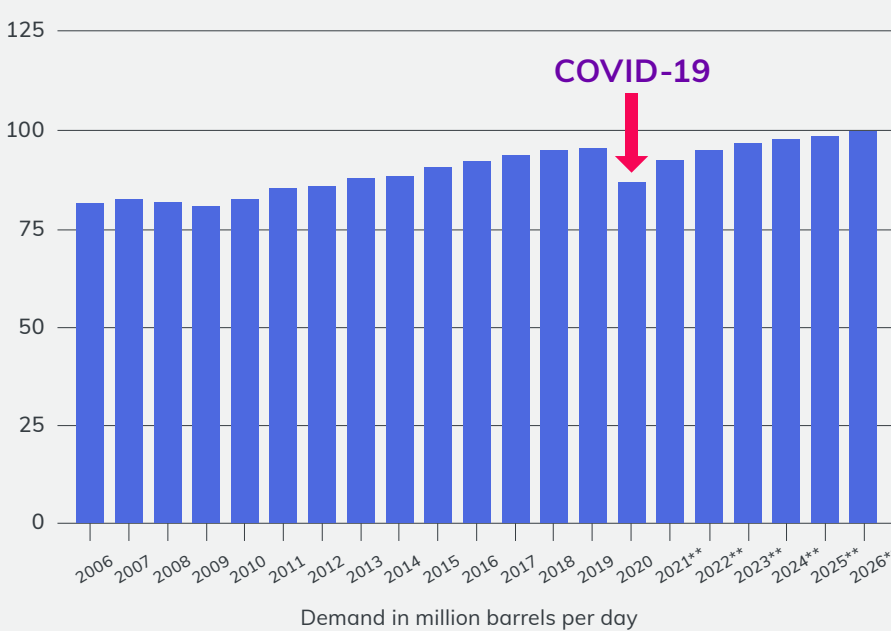

Navigating the new era of energy

Societal, technological, and political trends are reshaping the environment in which oil and gas companies operate. As the world transitions, the oil and gas industry must evolve and adapt.
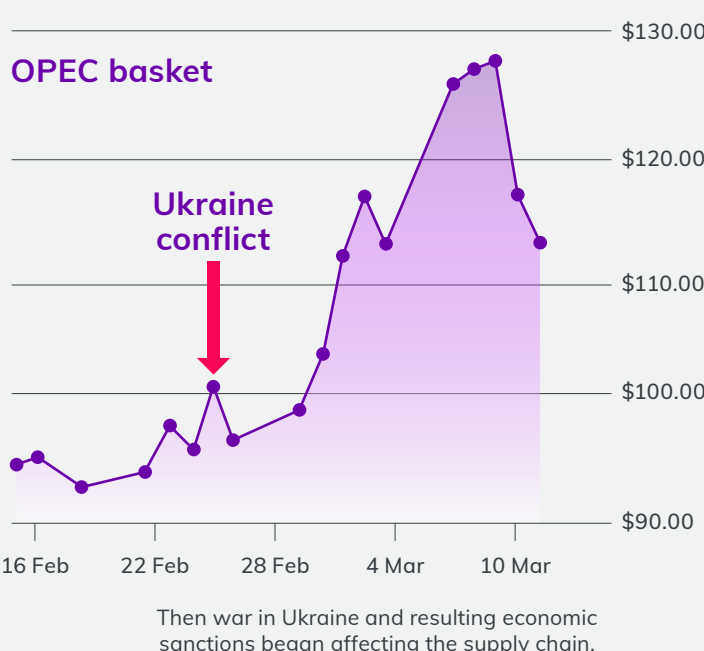
By becoming more agile, choosing to lead the way in sustainable operations, and deploying innovative technologies, oil and gas companies can uncover new efficiencies and opportunities that enable the era of new energy.

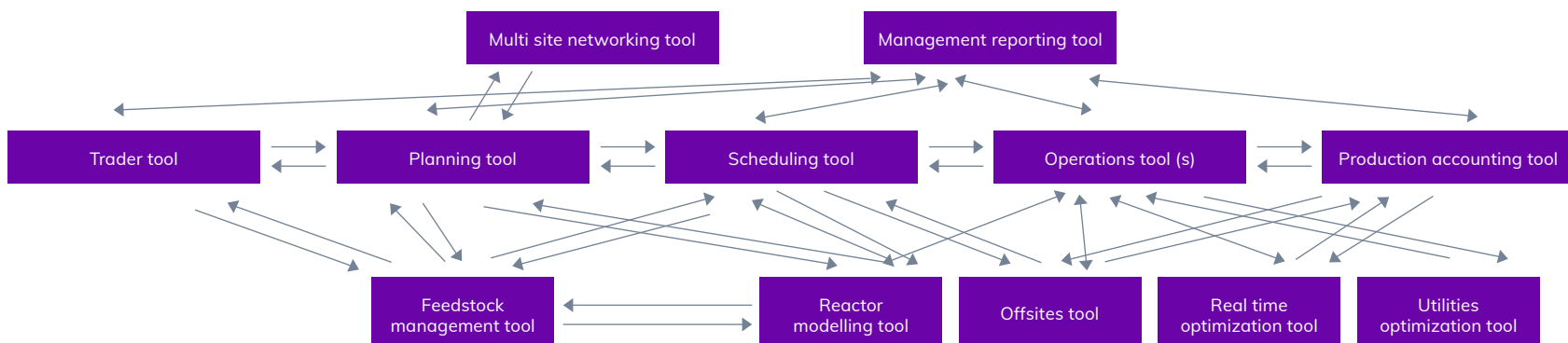## Worldwide oil demand has seen volatile shifts in recent years

The International Energy Agency doesn't expect global oil demand to reach pre-pandemic levels until 2023.

COVID-19

Demand in million barrels per day

The oil and gas industry rebounded significantly in 2021, with oil prices approaching $100/barrel in early 2022 due to increasing demand.

OPEC basket

Ukraine conflict

Then war in Ukraine and resulting economic sanctions began affecting the supply chain.

Disparate legacy solutions are often an obstacle to achieving profitable, sustainable industrial operations

Multi site networking tool

Management reporting tool

Trader tool — Planning tool — Scheduling tool — Operations tool (s) — Production accounting tool

Feedstock management tool — Reactor modelling tool — Offsites tool — Real time optimization tool — Utilities optimization tool

In the new era of energy, relying on legacy solutions can lead to:

| Value leaks and lost opportunities | Low transparency | Low consistency | High tool dependency | Lack of agility | Low accuracy | High maintenance |

AVEVA can help accelerate the reduction of waste and elevate your operational efficiency with a digital platform that connects from edge to enterprise

AVEVA Value Chain Optimization solutions create end-to-end visibility, enabling teams to make rapid, accurate decisions across the value chain

Unified Supply Chain
- Trader tools
- Planning model tracking
- Planning
- Feedstock management
- Scheduling
- Multi site network optimization

Operations
- Operations management
- Offsites management and blending
- Production accounting
- Mobile and workflow extensions

Optimization
- Real time optimization
- Utilities optimization
- Reactor modelling
- Performance management

Holistic Approach

AVEVA works with over 400 refinery and petrochemical sites around the world

Value chain optimization benefits

| Quicker, more robust decisions | 10% improvement in energy consumption | 70¢ margin improvement per barrel |

Using real-time, comprehensive insights, teams can quickly adapt to meet demand, pivot when markets change, and proactively move towards environmental and sustainability goals.

AVEVA customers improve profitability with integrated solutions

bp

Reduced the time to run a planning model from 7 hours to 3.25 minutes.

BP used AVEVA Unified Supply Chain to optimize refinery operations for more robust, lower-risk decision-making.

Valero

Saved over $3 million by reducing octane and RVP giveaway by 0.1%.

Saw $7 million in profit per year in RBBOB sales.

Valero improved refinery profitability and optimized gasoline blending across seven sites with AVEVA's integrated solutions.

Reliance

Saved $7.2 million through better visualization.

Saved $5 million with real-time optimization.

Working with AVEVA, Reliance implemented process optimization and performance visualization solutions that minimized energy costs and saw return on investment in two months.

ADNOC

Saved between $60-100 million through optimized operations

Abu Dhabi National Oil Company used AEVA software to gain enterprise visibility across operations for improved business agility.

The integrated, real-time data visualization center empowers teams to improve decision-making, unlock efficiencies, and identify new pathways to optimize performance.

Through integrated planning, scheduling, and execution, AVEVA connects the power of information and AI with human insight to enable faster and more precise decision-making, helping industries to boost operational delivery and sustainability.

Learn more about our software offerings that can optimize your value chain and improve your operational agility

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AVEVA

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