

# The drive toward Operational Efficiency

Accelerate Operational Excellence with improved efficiency

## Operational Efficiency breaks down silos and promotes sustainable growth through:



**Situational awareness**

A real-time view into operations, leading to improvements in safety, efficiency, and overall effectiveness.



**Reducing waste**

Discover value leaks and continuously improve your operations with visibility into key performance indicators, through benchmarking and by standardizing best practices.



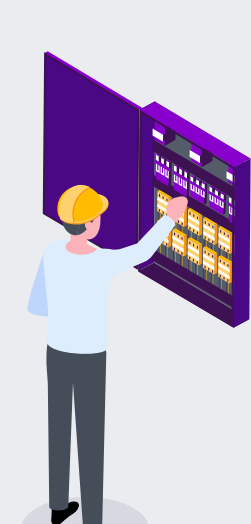
**Prioritizing assets**

Prioritizing assets based on business risk, to drive smarter preventative maintenance, and find the optimal mix of maintenance types.

## What's at stake? Billions.



Poor operational decision making compromises **>3% (\$554 billion)** of profits annually.<sup>1</sup>



Average impact of unplanned downtime in the process industries alone is **\$20 billion**.<sup>2</sup>



**67%** of manufacturers cite skilled worker shortages as a top challenge.<sup>3</sup>

## Improvements emerge from:

### Connected infrastructure

**36.8 billion** estimated Industrial Internet of Things (IIoT) connections by 2025.<sup>4</sup>

The underlying technologies of Information Technology (IT) and Operational Technology (OT) – including software and hardware platforms – are converging.



### Digital transformation

#### Technology trends driving digital transformation

- Mobile and remote work
- Edge and cloud computing
- AI/ML and advanced data analytics

Digital transformation goes beyond incremental and continuous improvement efforts. Transformation encourages collaboration, breaks down silos, and empowers every individual to drive the organization forward.

## Three steps to drive Operational Excellence



Automate and standardize at scale



Augment human intelligence with machine intelligence



Drive data driven decisions at all levels

## Results of Operational Efficiency

**Empowerment of connected workers** to identify opportunities for improvement

**Improved productivity and sustainability** with tools to eliminate waste.

**Increased asset utilization** by assigning the proper amount of maintenance.



### Success story: Henkel

Henkel, a global leader in consumer goods and industrial chemicals, is also a pioneer in sustainability, with commitments to economic and climate-positive goals. Working with AVEVA, the Laundry & Home Care division of Henkel deployed a digital backbone to capture a "single source of truth" to help manage its sustainability and overall equipment effectiveness (OEE) performance.

- Energy cost savings to date have topped €37 million<sup>5</sup>
- Elimination of all incorrect labeling resulting in 100% label quality<sup>5</sup>
- Improvements of 15% in OEE after just two years<sup>5</sup>

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



**100,000+**  
sites in 130 countries



**16,000+**  
customers



**4,200+**  
partners



**5,700+**  
certified developers

AVEVA offers solutions that can help you improve situational awareness, reduce waste, and prioritize assets, on your journey to operational efficiency and operations excellence.

[Learn more about Operational Efficiency](#)



### Sources

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2. "Reducing Unplanned Downtime and Helping Future-proof Automation System Assets," ARC Advisory Group, 2016, <<https://www.arcweb.com/blog/reducing-unplanned-downtime-and-helping-future-proof-automation-system-assets>>
3. "2020 1st Quarter Manufacturers' Outlook Survey," National Association of Manufacturers, 2020 <<https://www.nam.org/2020-1st-quarter-manufacturers-outlook-survey>>
4. "Industrial IIoT connections to reach 37 billion by 2025", Computer Weekly, 2020, <<https://www.computerweekly.com/news/252491495/Industrial-IIoT-connections-to-reach-37-billion-by-2025>>
5. "AVEVA Success Story: Henkel", <<https://www.aveva.com/en/perspectives/success-stories/henkel>>