![AVEVA]

CUSTOMER CASE STUDY

How Veolia Water Technologies is connecting over 260 engineering accounts with AVEVA Solutions in the cloud to unlock creativity, expertize, and value creation for customers

Company name - Veolia Water Technologies
Industry - Water & Waste Water

Goals

- Connect teams and support operational efficiency

- Drive towards Veolia's strategic goals of sustainable next-gen water production operations

- Unify all the company's engieering data on one shared collaboration platform

Challenges

- Reduce IT involvement and shift management of day-to-day provisioning and deployment of software to support the business units

- Standardize over 260 engineering global engineering accounts on the same environment.

- Connect engineering best practices and data, with all engineering tools on shared cloud platforms and within a common database, to unlock engineering efficiency and 24-hr access around the globe

AVEVA Solution

- AVEVA™ Unified Engineering in the Cloud (AVEVA™ E3D Design, AVEVA™ Diagrams, AVEVA™ P&ID, AVEVA™ Electrical & Instrumentation and AVEVA™ Asset Visualization)

Results

- Improve IT agility by 20% (freeing up resources)

- Allow all discipline engineers to work on a single, data-centric platform

- Improve cross-team and organizational collaboration

- Improve project transparency and status tracking

- Standardize for best-practice across the globe

- Maintain engineering data seamlessly across the asset lifecycle

Focus on sustainability and innovation at Veolia group

Veolia group is the global leader in optimized resource management. With nearly 179,000 employees worldwide, the Group designs and provides water, waste and energy management solutions which contribute to the sustainable development of communities and industries. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and to replenish them.

Veolia Water Technologies is a Veolia subsidiary which provides the complete range of services required to design, deliver, maintain, and upgrade water and wastewater treatment facilities and systems for industrial clients and public authorities. The company's extensive portfolio of technologies features everything from online diagnostic solutions to evaporation and crystallization, energy-producing sludge treatment, state-of-the-art desalination, laboratory-grade water and mobile water services. By optimizing both processes and monitoring, Veolia Water Technologies helps clients reduce their water footprint while generating considerable savings in energy and chemical consumption.

With over 260 engineering accounts connected across five continents, Veolia Water Technologies wanted a next-generation engineering platform. The company identified an opportunity to connect its global engineering expertise to improve business agility and collaboration using digital solutions. Additionally, in the company's most active markets, customers required solutions that spanned engineering and included operations, calling for Veolia Water Technologies to quickly deploy new software applications and skills around the world.

"AVEVA's cloud-based and data-centric engineering enables our teams all around the world to work remotely, yet together, on one platform that spans all of our engineering data. It is fundamental for our staff to work in a collaborative way, in real-time, all along the design and build phases. Efficient access to data is key to boost operational performance and achieve our strategic objectives."
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Thomas Cheylan, Projects Performance Director,
Veolia Water Technologies

Next-generation of global engineering in the cloud

Following a competitive tender, Veolia Water Technologies identified AVEVA's engineering solutions that spam across the complete project lifecycle and are available in a common cloud platform, AVEVA Connect, as the ideal enabler for their remote and distributed teams to collaborate and access models at any point in the 24-hour global business cycle.

AVEVA was a long-time strategic technology partner to Veolia Water Technologies with AVEVA Unified Engineering solutions, with hundreds of on-premises deployments worldwide. Using AVEVA Connect, Veolia could fully leverage its broad and deep investment in software capability to connect project teams, unlock efficiency, and enable flexibility to scale up or shift software usage for customer projects on a global basis.

Veolia Water Technologies identified three key drivers for moving to a cloud-based engineering platform:

- Reduce IT involvement and shift management of day-to-day provisioning and deployment of software to support the business units

- Standardize over 260 engineering global engineering accounts on the same environment

- Connect engineering best practices and data, with all engineering tools on shared cloud platforms and within a common database, to unlock engineering efficiency and 24-hr access around the globe

> The AVEVA Connect cloud platform provides teams with an engineering platform ratified by IT that puts the power in engineers' hands to select and employ AVEVA tools independently.
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> Previously, engineering teams had to wait days to provision software and collaborate. With the cloud deployment, the process is reduced to a few minutes.
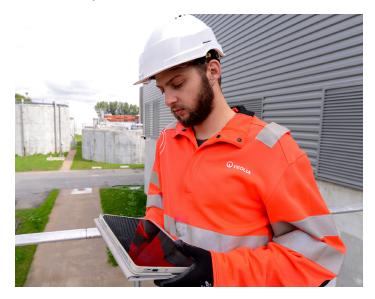
Cloud deployment in days

Within days of selecting AVEVA Connect, teams were up and running thanks to the cloud. The company plans a phased deployment across global sites with a focus on the locations with the highest need for collaboration such as France, United Kingdom, India, and Brazil. Overall, Veolia Water Technologies expects to complete full cloud deployment in the next 18 months.

The software suite includes a cloud-based deployment of AVEVA Unified Engineering solutions, including AVEVA E3D Design, AVEVA Diagrams, AVEVA P&ID, AVEVA Electrical & Instrumentation, along with AVEVA's Asset Visualization solution.

By adopting AVEVA's data-centric EPC 4.0 strategy in the cloud, Veolia's teams gained the ability to:

- Improve IT agility by 20% (freeing up resources)

- Allow all discipline engineers to work on a single, data-centric platform

- Improve cross-team and organizational collaboration

- Improve project transparency and status tracking

- Standardize for best-practice across the globe

- Maintain engineering data seamlessly across the asset lifecycle

> "In our experience, we found moving to AVEVA Connect was not a 'Big Bang' or a dramatic switch from how we used AVEVA software previously. Moreover, it did not require a major change in mindset to make it a success. AVEVA's engineering software in the cloud is the evolution of how our teams will use Engineering software, and it will be transformative for our business."
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> **Serge Mascarell, Deputy CIO,**
> Veolia Water Technologies

Flexibility through Software-as-a-Service

The mature, flexible SaaS solution offers immediate benefits to Veolia Water Technologies' team, and the AVEVA Flex subscription program enabled Veolia to identify immediate return on investment to build the investment case, which was especially important in times of fluctuating pricing and availability.

The AVEVA Flex commercial models provided complete commercial flexibility to Veolia Water Technologies, enabling teams to consume what they needed and at the scale that they required.

Teams from business units can now work in the same environment, collaborate better using shared data, and centralize skills and administration to drive business efficiency. The enhanced ability to access data with existing deployments while transitioning to AVEVA E3D Design, also supports the company's move to data-centric project approaches.

> "By using data more proactively, we are able to boost operational performance and achieve our strategic objectives."
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> –
>
> **M. Mascarell,**
> Veolia Water Technologies

Cloud deployment and SaaS deliver early benefits

- The integrated solution helps the team to proactively address customer needs and respond with agility to changes in demand

- Engineers now have rapid, secure access to trusted project information – even when working remotely

- AVEVA's software is tailored to each asset's life-cycle stage and portfolio segment

- Services are designed to help Veolia Water Technologies realize maximum benefit from each product, using unified data to pinpoint opportunities for efficiency

- The AVEVA™ Connect cloud platform and SaaS approach provides Veolia's team with greater technical and commercial flexibility to dial up and down relevant services throughout the lifecycle of their water purification portfolio

Next-generation engineering anytime, anywhere

With cloud-enabled products on AVEVA Connect, Veolia Water Technologies can improve data availability across its global team, enabling every engineer to benefit from flexible resources that they can adopt as required, without additional IT access or security concerns. The cloud deployment further enables Veolia's teams dispersed around the globe to provision and access shared software using a solution vetted and approved by their corporate IT department, and without requiring IT's day-to-day involvement to support on-going business requirements. The net result is improved engineering and operations agility with lower IT cost and maintenance while putting the power of the software in the hands of the engineering teams.