

# Opportunity seized for security innovation

T-Systems develops security architecture and implements SOC for Vitesco Technologies



Reference project

**vitesco**  
TECHNOLOGIES

**“T-Systems and Deutsche Telekom Security proved their extensive security expertise during the implementation of our modern security infrastructure.”**

Thomas Buck, Senior Vice President Information Technology, Vitesco Technologies

Vitesco Technologies is a leading international developer and manufacturer of modern powertrain solutions for sustainable mobility. With its smart system solutions and components for electric, hybrid, and combustion engines, Vitesco Technologies makes mobility clean, efficient, and affordable. Its product portfolio includes electric engines, electronic controllers, sensors, actuators, and solutions for exhaust gas after treatment. Vitesco Technologies is headquartered in Regensburg in southern Germany and wants to play a leading international role in vehicle electrification. To achieve this goal, the company is pursuing a clear strategy with a focus on sustainability. Until 2021, Vitesco Technologies was a unit of Continental AG. Continental then decided to consolidate its expertise for powertrain technology in a separate company. A new industry heavyweight was born.

The company carries out research, development, and production tasks at 50 sites around the world. In 2021, 37,000 employees generated revenue of around 8.3 billion euros. The spin-off was finalized in 2021. The company had to stand completely on its own. This also affected the IT systems, which are key for the value creation of the company.

As a strategic IT partner, T-Systems supports Vitesco Technologies in building its IT landscape and assumes responsibility for the business-critical IT systems.

## At a glance

- Creation of a future-oriented security architecture from scratch
- Bundling of services in a single security operations center
- Planning reliability via cost forecast
- Design and implementation of specific detection scenarios
- SOAR system at Deutsche Telekom Security
- Classification of alarms
- Optional incident response support
- Service delivery management
- Burden on the security team eased
- Concentration on premium security services
- Ideal, future-oriented solution thanks to excellent consultancy expertise

# The reference in detail

## Challenge

During the spin-off, Vitesco Technologies also had the task of designing its information and IT security in addition to establishing and operating the IT systems. This task not only included the recruitment of staff and decisions for specific tools; it also concerned strategic decisions such as the security services that the company wanted to concentrate on itself.

Therefore, the spin-off from Continental was a unique opportunity for Vitesco Technologies to introduce start-of-the-art architecture. In doing so, the company wanted to benefit from innovative technologies. And structuring from scratch meant it was possible to plan a setup for the future because Vitesco Technologies not only needed conventional security services, but its cloud strategy meant the company also needed specific services in order to secure its services and operated infrastructures in the public cloud.

## Solution

With T-Systems as the strategic IT partner and Deutsche Telekom Security, the Vitesco Technologies security team developed and implemented its security architecture for the future. It quickly became apparent that the internal security team wanted to concentrate on challenging security tasks. The objective was to carry out upstream services in an external security operations center (SOC).

Two services are bundled in the SOC: Security Information and Event Management (SIEM) as well as Security Orchestration, Automation and Response (SOAR).

Vitesco Technologies uses an ultra innovative system for SIEM. The SIEM system collects logs from various sources and forwards them to a SOAR system at Deutsche Telekom Security. Through interpretation of the log data, correspondingly predefined detection scenario alarms are generated here. These alarms are forwarded to Deutsche Telekom Security's SOAR team. There, they are evaluated by security analysts and data analysts. Respectively classified alarms are forwarded as an incident to the security team at Vitesco Technologies. The identification of the individual detection scenarios by Deutsche Telekom Security was a key aspect during the establishment of the security architecture.

Deutsche Telekom Security's standard SOC services not only include the operation of the security platforms, they also include a team that accompanies the customers with further developments and system optimizations. Vitesco Technologies also uses Deutsche Telekom Security's Threat Intelligence Database – one of the largest databases of its kind in the world. In addition to the SOC services, the development company has also commissioned an incident response service. As a result, the security team has quick access to experts who can provide support in the event of an acute security incident.

## Customer benefit

With the conscious decision to outsource the SOC services and the platform operation, the Vitesco Technologies team can concentrate on strategic security tasks and is relieved of basic services. Thanks to consultancy provided by Deutsche Telekom Security, a security architecture tailored to the company was created that also meets the requirements of modern sourcing from the cloud. Technical implementation skills were not the only matters important to the decision-makers – the consultancy expertise was too. This goes beyond technology and security management processes.

### Contact

T-Systems International GmbH  
Hahnstraße 43d  
60528 Frankfurt am Main, Germany  
E-Mail: referenzen@t-systems.com  
Internet: www.t-systems.com

### Published by

T-Systems International GmbH  
Marketing  
Hahnstraße 43d  
60528 Frankfurt am Main  
Germany