

SVA R₂O – Integrated overall solution for infrastructure management and monitoring



With the **R₂O (Remote Resilient Observability)**, SVA GmbH has created an integrated platform that combines out-of-band management, monitoring and physical security into a **holistic solution**. The idea for the combination was born in November 2024 and was first presented at Cisco Live 2025 in Amsterdam – as a showcase for maximum digital resilience and infrastructure transparency.

Challenge: Combining isolated solutions into an overall system

Many companies today rely on separate systems for monitoring, security and network management. This leads to complex structures, a limited overview and often to information gaps in the event of a fault.

SVA has set itself the task of resolving this separation and developing a solution that:

- out-of-bandmanagement, security and monitoring functions in a single platform,
- integrates seamlessly into existing IT environments and automates

processes,

- enables uniform, user-friendly control of all components.

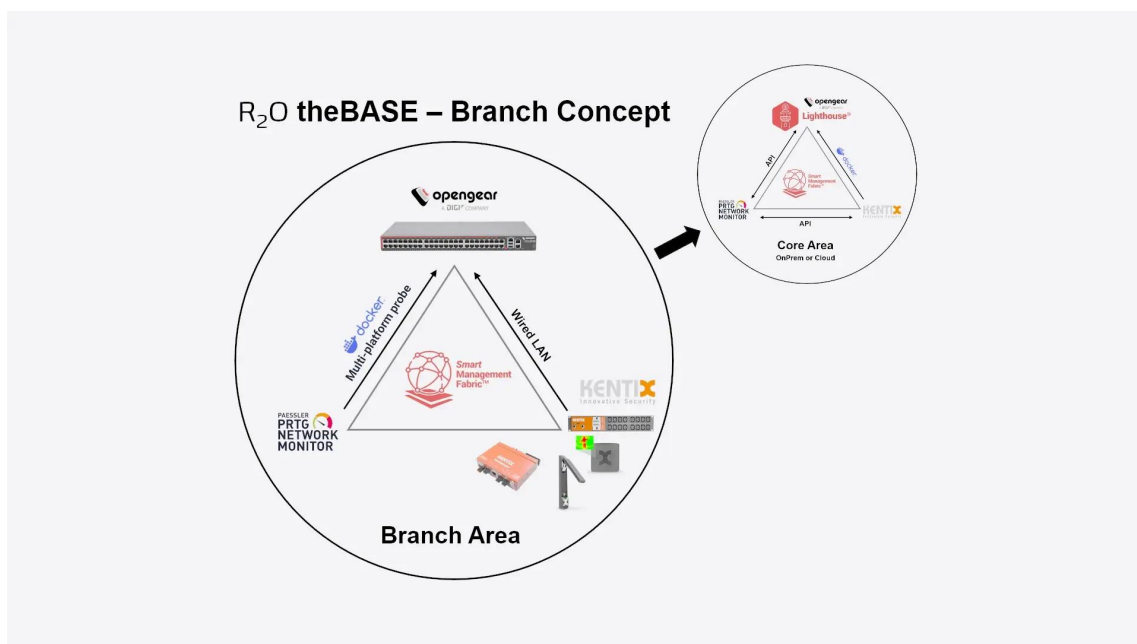
The goal: a single, resilient platform for operation, security and monitoring
– regardless of the location or failure of the primary infrastructure.

Solution: Kentix as a key component for physical security and environmental transparency

A central element of the R₂O architecture the Kentix IoT and security components, which communicate via the out-of-band management system. This creates a fully integrated interplay of IT, network and environmental monitoring.

The Kentix devices, including MultiSensors, access control systems and energy management solutions, provide precise data on temperature, humidity, movement, energy consumption and access. This data is integrated directly into the via R₂O cloud standardized interfaces (API, MQTT, Modbus TCP) and visualized in central dashboards.

Even if the main infrastructure fails, access via the out-of-band network is maintained so that the **Kentix systems** can still be reached and provide real-time data. This ensures operational reliability even in the event of a fault.



Added value: A scalable, secure and user-friendly platform

The combination of out-of-band management, physical security solutions and central software monitoring creates a modular, highly scalable infrastructure platform. Whether individual server rooms, distributed data centers or global networks – the solution grows flexibly with the requirements.

The big advantage: all systems interlock seamlessly. What used to be several stand-alone solutions becomes an easily controllable overall solution. SVA offers tailor-made training and customer workshops to ensure that integration is optimally adapted to individual environments.

Advantages of the SVA R₂O solution with KentixONE

The SVA offers R₂O solution companies a fully integrated platform for monitoring, security and infrastructure management – with Kentix as the key component for physical security and environmental transparency. Even if the main infrastructure fails, access to all systems and real-time data is maintained thanks to out-of-band management. The result is a scalable, fail-safe and easy-to-use overall solution that combines digital and physical resilience.



“With Kentix, we have a partner at our side who understands our requirements and delivers solutions that fit perfectly into our SVA R₂O platform. The close cooperation, short communication channels and direct exchange with development and management in Germany are crucial for us. They provide us with the ideal IoT sensors, access control systems and energy measurement solutions for our overall solution.”

– Dirk Steingäßer, Solution Developer at SVA in Wiesbaden

About SVA GmbH

SVA System Vertrieb Alexander GmbH is one of Germany's leading system houses. The company combines in-depth expertise in IT infrastructure, cloud, network, security, monitoring and software development with customized services for planning, integration and operation.

SVA offers customized IT solutions from a single source – from consulting to 24/7 support – and works closely with leading technology partners to provide its customers with stable and efficient IT environments in the long term.