CASE STUDY

Video solution supports Germany's largest theme park

Europa-Park Rust | *Germany*

Industry

- Security

Solutions

- Octave Coda Video, Octave Coda Mobile Client, Octave Coda Web Client

Challenges

- 94-hectacre park, 100+ attractions
- Integration of all applied systems
- Perimeter security from a single source

Results

- Modular building management system
- All programs operated via one surface
- More than 90% of park thefts solved

Traveling through Europe in one day — impossible? Not at all — on about 94 hectares, **Europa-Park** in Rust near Freiburg features more than 100 attractions in 17 European theme areas, six hotels and numerous shows. And the park's offerings have changed considerably in the past few years. Alongside its leisure attractions, Europa-Park as a venue provides plenty of locations for business meetings.

More than surveillance

Regardless of how they intend to spend their time, all visitors arrive with the same expectation — to have an unforgettable day. Ensuring visits are memorable in a good way requires Europa-Park to consider safety aspects like preventing theft and minimizing conflict between visitors. To achieve its goals and ensure smooth operations, in 2008, Europa-Park's management sought a video solution that offered more than security surveillance.

"A large compound like the Europa-Park is difficult to manage decently without proper technical support," said Reinhard Egner, a consulting engineer for the park. "Our aim is to give the visitors a day at Europa-Park they will never forget. That's why we need to be informed about all the incidents occurring on our premises. We offer relaxation and fun, but this is only possible if our numerous rides are always operable, the waiting times are not too long and all visitors treat each other with respect."



“With the Octave Coda Video software, we meet all requirements with one solution and are also set for the future.”

Mathias Bechler
Project Manager
vi2vi



Comprehensive solution

One requirement of the video project was integrating all applied systems — including a burglary and fire alarm system, as well as the Octave software — into a comprehensive building management solution. In addition, all cameras and subsections had to be accessible for viewing and operation at one central control station. The system also needed be able to cover perimeter security from a single source — a demand that posed a hurdle to many manufacturers. But the system house vi2vi, located in Malsch, was not deterred by this challenge and won the contract.

“With the Octave Coda Video software, we meet all requirements with one solution and are also set for the future,” said Mathias Bechler, project manager from vi2vi.

The modular system approach of Octave Coda Video (formerly HxGN dC3 Video) offers a variety of extension options, so individual customer requests and needs can easily be taken into account. A further advantage is the scalability of the overall concept; future growth is a goal, not an obstacle. Since Octave systems can be seamlessly integrated into many business processes and workflows and can combine the information generated there with video footage, they also make image data more accessible and easier to evaluate.

Smooth operations

Today, Europa-Park employs WinGuard by Advancis as a superordinate physical security information management system (PSIM). Operating all programs via one surface makes everyday use simple — no need to switch back and forth between different software solutions. Coda Video is linked to the security and building management software via SDK, so information gathered in Coda Video is available to users via WinGuard. This integration ensures that both systems operate smoothly.

Video analysis is another component of the solution. Surveillance of the park fences is based on virtual tripwires, which guarantee the security of visitors who accidentally stray from preset paths. They also secure the park against trespassing when it’s closed. As soon as a virtual line is crossed, the security staff in the control station receives an alarm notification and can react immediately.

To preserve visitors’ privacy, park operators segment the security staff into several authorization groups. These settings are applied in the Coda Video configuration, which allows particular users to browse through recordings but not to edit or export them, for example.

Because there are both mobile and web clients, security personnel can even avail themselves of mobile access options to be actively informed about incidents the moment they occur. This allows them to act at once, even when walking across the grounds, far from a desktop terminal.

Effective cooperation nets results

Europa-Park has seen significant benefits from the effective cooperation of Octave, Advancis, vi2vi and hardware partner Axis.

"We are extremely satisfied with the security solution and the entire implementation process. Succeeding at such an enormous task requires that all involved parties give nothing but their best," said Michael Steiert, who is responsible for the building and video management software of Europa-Park.



Since 2008, the security system has been growing with Europa-Park, expanding steadily. The luggage compartments of attractions, additional shops and waiting areas of new rides are being integrated into the existing installation. And the system has already proved its value — more than 90% of the thefts in the park have been solved with the help of the video management solution.

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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