

# Barracuda Ensures No Downtime and Optimized Line Costs

For Rettig ICC's Online Warehouse Control System



## About Rettig

Rettig ICC is Europe's leading supplier of heat emitters and indoor climate comfort systems, manufacturing and distributing radiators, towel warmers, underfloor heating, convectors, valves and controls from 23 plants in 12 countries. Rettig ICC has over 30 sales and marketing offices spread around the globe and serves customers in more than 50 countries.

Rettig ICC Austria is located in the middle of upper Styria, the green heart of Austria, manufacturing progressive heat emission technology for thermal comfort coupled with climate protection under the brand VOGEL&NOOT. The radiators manufactured meet numerous internationally recognized quality standards and the manufacturing processes at all of the production sites are ISO certified.

## Economic WAN Infrastructure with Zero Downtime

Rettig ICC runs various business critical applications such as IBM Connections Cloud (a service similar to Microsoft's Office 365), WebEx, and other SaaS solutions. Dedicated ERP software implementation including an online warehouse control system, that's hosted in Austria, plays an essential role in the logistics and management of all manufacturing sites. Continuous availability of this system is crucial for cost-effective just-in-time production and downtimes are not tolerable. With Rettig ICC's former firewall/ VPN solution without SD-WAN, simple backup traffic interfered with the business-critical just-in-time traffic of the ERP system unless it was routed via a separately procured uplink. This situation was costly and cumbersome to maintain, and a lot of available uplink bandwidth remained unused most of the time.

## Profile

- Rettig ICC is part of the Rettig Group with its Headquarters in Finland
- Runs 40 locations worldwide with 23 production sites

## Challenges

- Seamlessly utilizes various uplink types for encrypted WAN traffic
- Apply encryption to existing MPLS lines
- Make sure Backup traffic on the WAN doesn't interfere with business-critical ERP systems
- Ensure highest level of Quality-of-Service and security for online warehouse control system and various SaaS applications

## Solution

- Barracuda CloudGen Firewalls at every location
- Barracuda Firewall Control Center

## Results

- Optimized MPLS Usage and cost reductions
- Increased availability and stability of the WAN infrastructure
- Effortless update procedures with centralized management

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“Barracuda CloudGen Firewalls with SD-WAN allows us to reduce the number of MPLS lines by fifty percent.”

**Erich Maierhofer**

ICT Manager Infrastructure Services  
Rettig Austria GmbH

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When refreshing their infrastructure Rettig ICC was seeking a solution that offered maximum flexibility in leveraging MPLS, broadband and 3G/4G backup lines and ensured seamless availability. Constant Quality-of-Service and automatic failover in case of bandwidth fluctuations were also key requirements.

**Secure Wide Area Network with SD-WAN and Zero-Downtime**

Rettig ICC deployed Barracuda CloudGen Firewalls with built-in full next-generation security levels and secure SD-WAN at all locations. Combining the ability to send encrypted WAN traffic across multiple broadband lines with 4G as an additional backup allowed Rettig ICC to reduce the number of MPLS lines used for remote locations by 50 percent.

The game changer in the new infrastructure was Barracuda’s ability to measure bandwidth and latency in real-time and automatically redirect traffic leveraging performance-based transport selection. Onboard adaptive bandwidth protection ensures that business-critical ERP traffic will always utilize the best available uplink and be prioritized over any potential backup traffic. Barracuda CloudGen Firewalls even moves existing backup sessions seamlessly to alternative physical uplinks to accommodate ERP traffic.

Furthermore the IT department rates the internal certificate handling at Barracuda better compared to the former solution and the Barracuda Firewall Control Center made the management of a complex, European-wide IT infrastructure comparatively simple.

**Benefits and Future Plans**

The rollout of Barracuda CloudGen Firewalls lead to massive cost reductions. Rettig ICC was able to cut their line costs in half. Despite adding more branches to the network infrastructure, the bandwidth did not need to be expanded. Additionally, the total number of network failures could be reduced significantly.

The intuitive configuration of Barracuda CloudGen Firewalls and the Barracuda Firewall Control Center’s effortless, centrally managed updating procedures proofed to be a great time-saver for the IT department. These solutions also helped to reduce IT overheads.

Even though Rettig ICC is currently not considering transitioning to the public cloud, a future adoption is still possible. Rettig ICC finds it reassuring that Barracuda also offers its solutions in the cloud. Making their investment future-proof.

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“With Barracuda providing CloudGen Firewalls, including secure SD-WAN for all major public cloud providers we are well positioned for future expansion plans.”

**Erich Maierhofer**

ICT Manager Infrastructure Services  
Rettig Austria GmbH

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**Learn more about Barracuda CloudGen Firewalls and Barracuda WAF’s**

[barracuda.com/products/cloudgenfirewall](https://barracuda.com/products/cloudgenfirewall)

