



## Customer

**Kamps GmbH** is one of Germany's largest bakeries and looks back on more than 30 years of history. 390 traditional bakeries and 70 baking houses in top locations all over Germany daily serve 250,000 customers with fresh baked goods. The concept of Kamps bakeries was launched in 2008 as a modern premium bakery for appreciable freshness and craftsmanship, where customers can literally look over the baker's shoulder. In spring 2015 the French bakery and restaurant group Le Duff acquired a majority stake in Kamps GmbH based in Germany's North-Rhine Westphalia. It is one of the largest franchisors in Germany.

## Concept / Requirements

- **Secure and reliable communications** between the POS cash registers in the bakeries and the ERP system at the headquarters
- **Implementation of a future-proof networking solution** that is also capable of transitioning to the new IP-based Internet connections
- **Availability of professional management functions**, e.g. for the prioritization of certain services

## Solution

- **Implementation of around 390 VoIP routers enabled VPN routers in bakeries**
- Operation of two redundant **IPsec-VPN gateways** at the headquarters
- **Prioritization for sending and receiving** data packets for the POS system (QoS)
- **Configuration of a cellular fall-back scenario** with UMTS USB sticks

## Benefits

- Stable connection of the POS system via the router allows **important data to be sent and retrieved at any time**
- **Central monitoring of the POS systems from the headquarters**
- **High availability of all services** thanks to the cellular fallback scenario
- **Fit for the future: Smooth transition from ISDN to Voice over IP**



## Infrastructure

ca. 390 x LANCOM  
1783VAW

**Kamps** @

**LANCOM**  
Systems