

Payment-iT has been running a new computer center since October 2007 where information is being provided for about 400 banks. But also its own infrastructure for development and projection in all areas of the transaction and card processing has been realized.

Central servers secured with redundant UPS and air conditioning provide a continuous and smooth operation of all applications. Smoke and water detectors are directly connected to the plants' fire department which works day and night and can react quickly.

Our customers are connected through a dedicated line to our network, through ISDN with callback or through VPNs (Virtual Private Network). Our computer center is connected to the internet through 8 separate GBit lines hosted by different providers. All network elements needed for failure-free operation are designed redundantly. Since we are located at the area of the local power authorities, we have an excellent infrastructure to supply our UPS with the necessary electricity being produced inside our range.

Through modern virtualisation techniques combined with fast extern hard-disc units and also the abandonment of fat-clients we were able to realize the "Green IT" project. By switching from fat-clients to thin-clients we were able to reduce our power consumption by 50%.

Our emphasize on our development is being carried out under z/OS on our z890.

Therefore we activated two CPs (Central Processors) and one IFL (Integrated Facility for Linux) on this machine. Over the OSA-Adapter (Open Systems Architecture) the equipment is connected to one of Europe's biggest financial services. A strict separation through different LPARs and RACF-protected areas guarantees a multi-level handling of the development process and the system maintenance.



At the moment the computer center is equipped with the following components:

- IBM eServer zSeries 890 Mainframe
- IBM TotalStorage DS6800 Enterprise-class Storage
- IBM System Storage TS3500 Tape Library (max. 260 Tapes 700 GB each)
- IBM BladeCenter H (max. 14 Blade Server)
- IBM BladeCenter JS 21 PowerPC Server
- IBM TotalStorage DS4700 Storage
- IBM eServer xSeries 346 Server
- IBM eServer xSeries 306 Server
- IBM Ultrium Tape Autoloader 3581 Model L23 Tape Library (max. 8 Tapes each 200 GB)
- Enterprise-class firewalls
- IBM 19" racks
- Double floor with underfloor supply of air
- Computer Center wide 1 GB network cabling
- 4 GB FiberChannel network for storage connection