



# nxtControl - Building automation: Hotel Park Royal Plaza, Vienna

Der nxte Schritt in der Automation



# Hotel Park Royal Palace – Vienna



**The new Park Royal Palace Hotel will set new patterns in the region of Vienna. It offers direct access to the Technical Museum of Vienna and a 900 sqm conference area.**

**Opening: 1st October 2011**

- » 212 modern rooms
- » 21 suits with views of Schönbrunn Palace
- » 21.000 sqm area featuring a stylish restaurant, minimalist bar, spacious lobby, executive lounge and large terrace
- » Vital area for fitness and relaxation
- » 606 sqm conference hall



- » **Automation of HVAC**
- » **Visualisation of fire dampers**
- » **Room control**
- » **Central visualisation of complete system**
- » **Implementation as distributed control system**



- » Automation of central heating, fan-coil, 2 cooling units, free-cooling
- » Visualisation and testing of fire dampers
- » Room automation (heating, cooling, sun-blind)
- » Room control via IPAD (in suites only)
- » Visualisation for facility management via access through virtual hardware
- » Automation solution implemented as distributed system with 6 controllers and several remote I/Os
- » Remote I/O connection via Modbus TCP
- » Connection of room control unit via Modbus RTU
- » Connection of MBus metering units (heat, water)
- » Control concept for HVAC in conference hall with variable walls
- » Creation of functional, fully re-usable software library
- » Virtual hardware for easy commissioning, diagnostic and simulation
- » **Very short engineering time** (fixed opening date, several changes of requirements)

# Simplified topology

