

The LINZ AG logo is displayed in a bold, sans-serif font. The word 'LINZ' is in a dark grey color, and 'AG' is in a vibrant blue. The letters are closely spaced and have a clean, modern appearance.

**LINZ AG**

**Future Internet Forum  
Session 1: EU cities becoming “internet-ised”**

**Rossegger Karl**



## Austria in the heart of Europe



## LINZ AG

Infrastructure Services for Upper Austria  
2600 Employees  
€ 639 Mio turnover

### LINZ AG STROM

Power generation  
Transmission&distribution  
Telecommunications

### LINZ AG MANAGEMENTSERVICE

Administration  
Finance

### LINZ AG SERVICE

Waste disposal  
Water supply

### LINZ AG LINIEN

Public Traffic

### LINZ AG GAS/WÄRME

Gas Supply  
District Heating



**10 years ago**

**our vision**

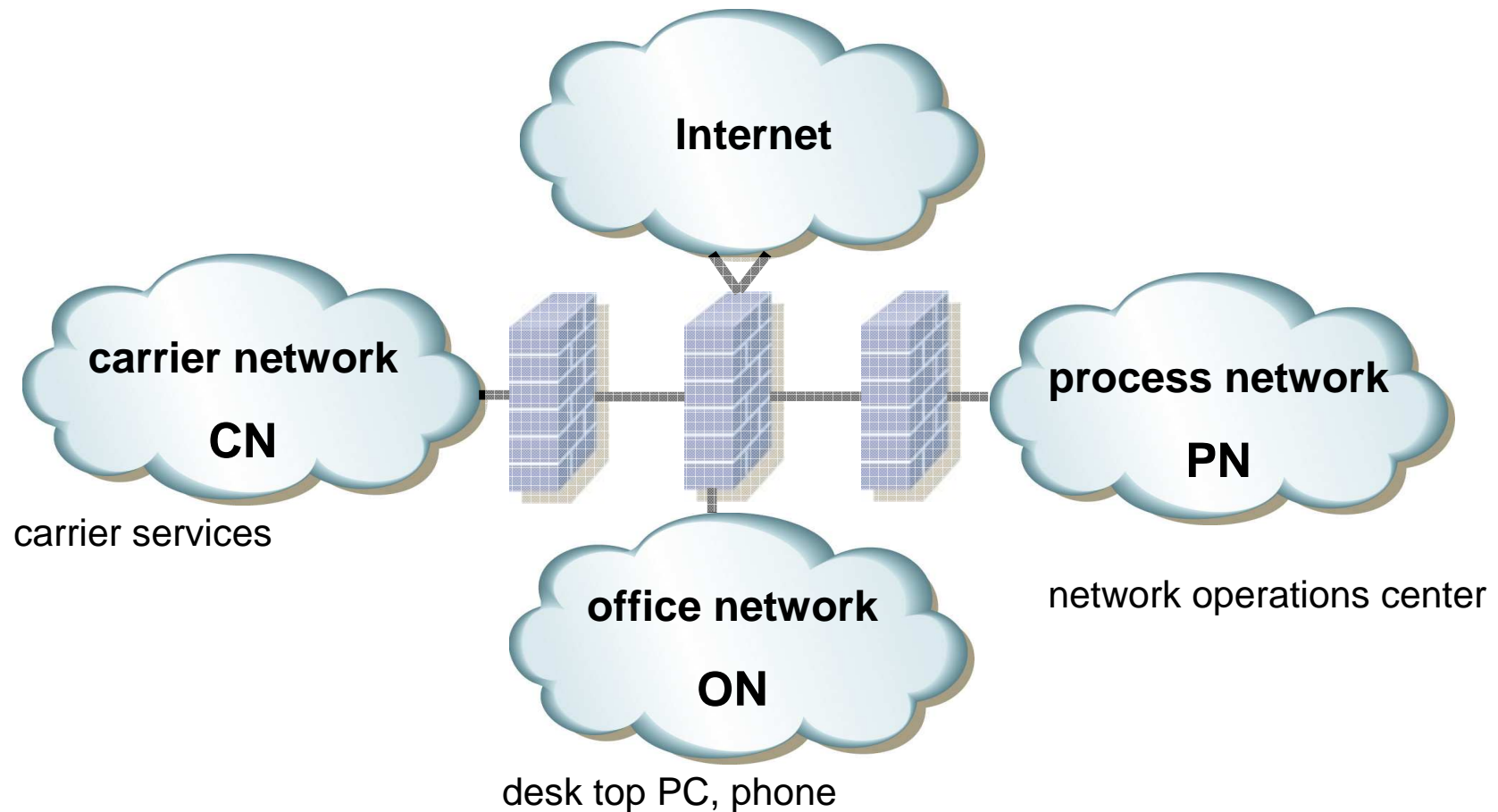
**every point in our supply – networks has  
his own IP address**

**up to now**

**▶ investments in telecommunications infrastructure**

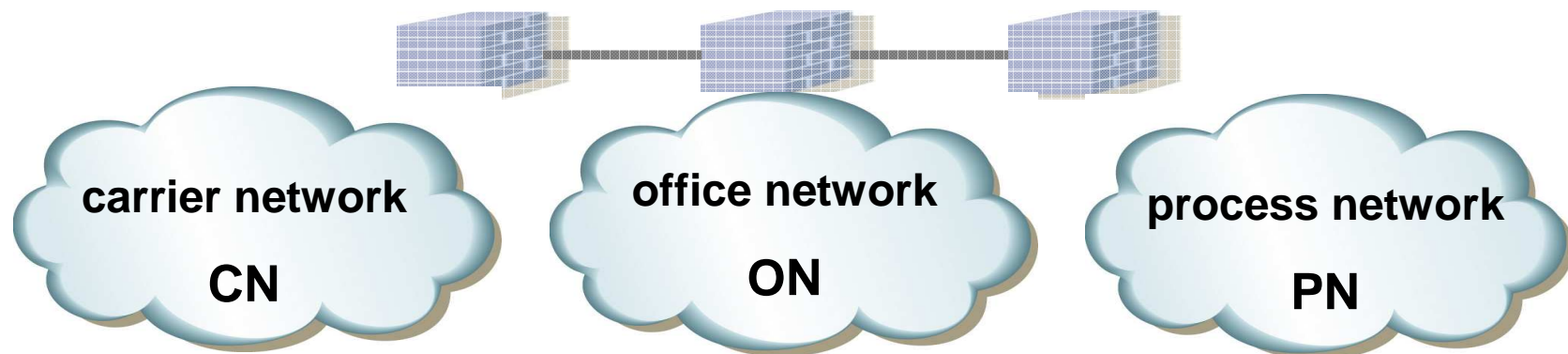
- optical fiber
- IP networks
- human resources

# IP network migration



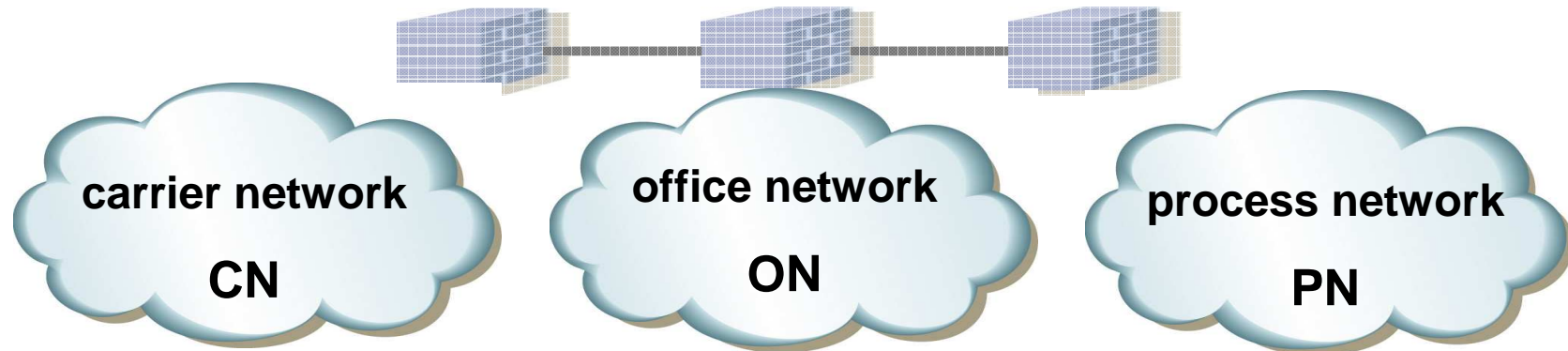


## 2010, smart services, water and electricity, telecontrol engineering

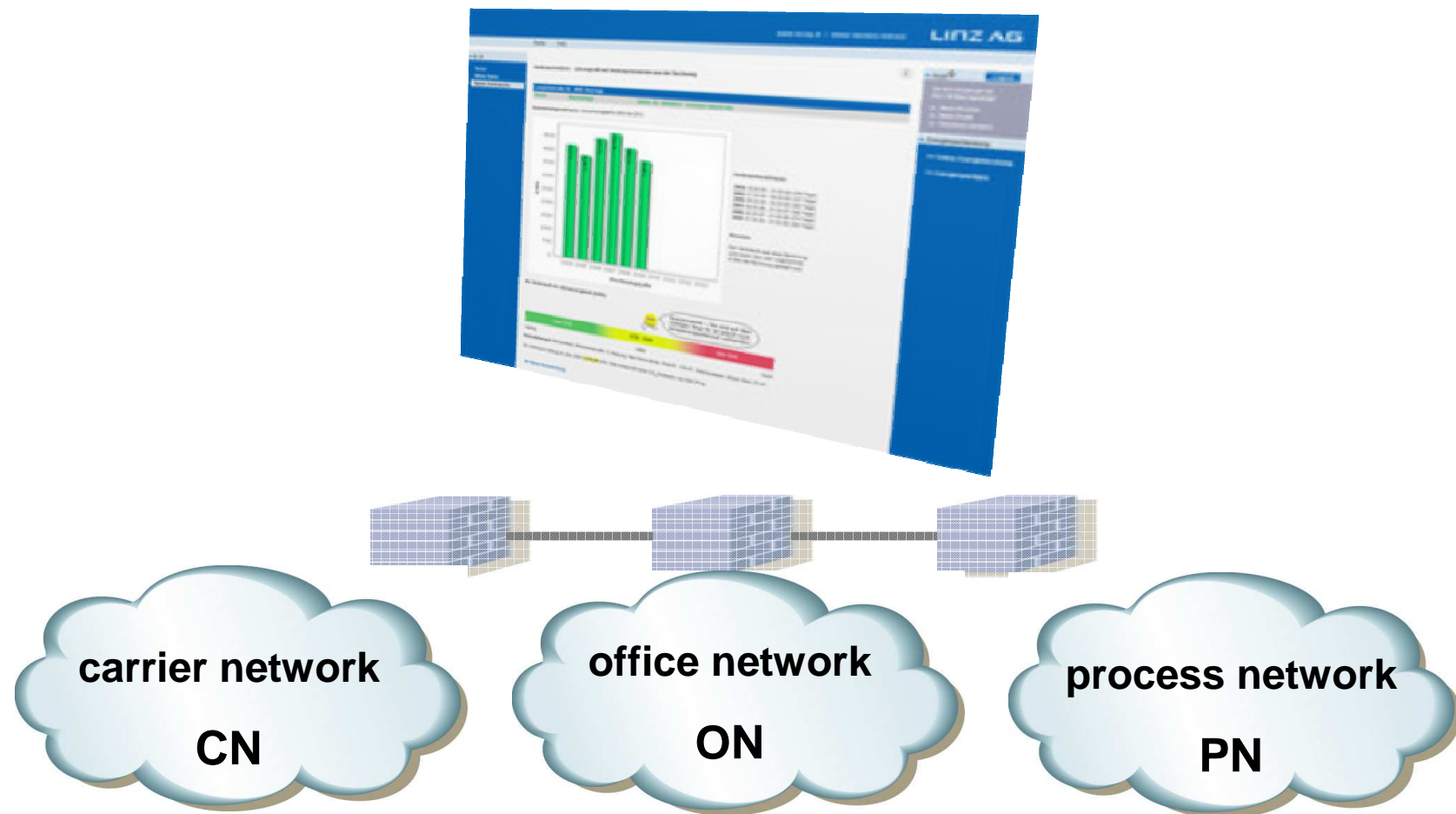




## 2010, smart services, public transport, video, alarming and info-points



## 2010, smart services, electricity and heating, energy consumption



## **smart functions running**

- ▶ **smart metering electricity 50.000 meters running**
- ▶ **smart metering district heating 2.500 meters running**
- ▶ **smart switching 4.000 load management moduls running**
- ▶ **smart process 15.600 telecontrol items connected**
- ▶ **smart customer information (energy information system)**
- ▶ **smart security 550 video surveillance**

# smart functions in the future

## ▶ **IRON (Integral Resource Optimization Network Concept)**

- Concept for new, innovative services for the power market based on the latest advances in the field of modern information- and communication technologies

## ▶ **eSESH (European PSP ICT)**

- energy saving in social housing with ICT

## ▶ **clean motion (Austrian R&D program, proposal)**

- e-mobility

## ▶ **PRECYSE (European, FP7 – proposal)**

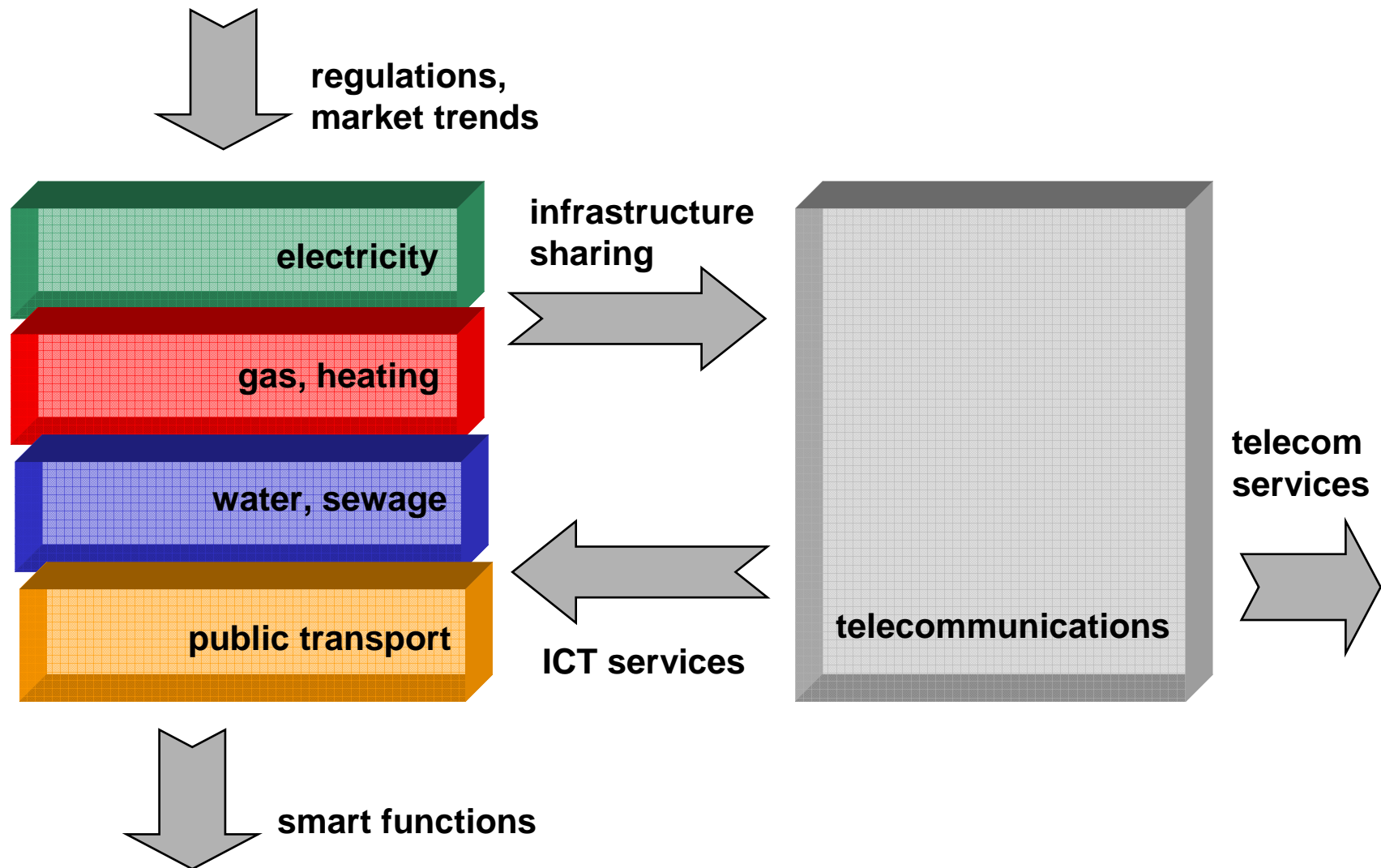
- ICT security in critical infrastructure environment

## ▶ **NETQUEST (Austrian R&D program)**

- mathematical model to optimize infrastructure development

## ▶ **EIS (LINZ AG program)**

- energy information system



## **experiences**

- ▶ **future internet – a quantity of smart functions**
- ▶ **ICT – information and telecommunications technology a core task of utilities**
- ▶ **future internet – a lot of market participants**
- ▶ **challenge is ICT – security**
- ▶ **from a supplier to service provider**



## **Linz – the European capital of culture 2009**



**thank you**