

**EUREL**

**Task Force on the future European electrical power supply system**

# Power Vision 2040

## Motivation

- The availability of energy plays a more and more important role in our world.
- Among the various forms of energy electrical power will have an increasing share.
- The discussion on the energy challenge is lead by self appointed experts and not by the real experts
- The discussion is often based on opinions and not on (scientific) facts
- Politicians tend to decide short term according the voice of the voters and not long term according the proven know how
- The expert are mostly not contributing to the discussion

## Scope of work (1)

- Assessment of existing studies and other relevant informational material
- Assessment of the European Energy Goals 2020 and the power demand
- Political energy environment
- The role of renewable energies
- The role of nuclear and fossil energies
- The role of power consumption and energy efficiency
- Supply security as a political, economical and technical challenge
- Environmental challenges

## Scope of work (2)

- The coexistence of central and decentralized supply systems
- Scenarios for the European Power Supply for 2040
- Proposal of technical solutions to meet the demand
- Proposal of a realistic migration path from today to 2040
- Need for actions

## Goals

- Supply information and argumentation for a sustained and to a great extent independent power supply for Europe for the public
- Form the opinion of the European public for the need of a sound basis for our future power supply system
- Give advice to the politicians for their decisions on our future power supply
- Give advice to the EU Commission / EU Directorate – General for Energy for the implementation of the future European power system
- Form the opinion of the non governmental organizations (NGO's) how the future electrical power system should look like

## Deliverables (1)

- A study document on the future European power supply system
- Presentation material for press conferences, podium discussions, technical conferences, media talks