

# FINESCE

## Serious game based promotion of project outcomes

Dr Srđan Krčo

# Promotion

# Engagement

# Visualization

# Serious game

Live connections to all trial sites

# WHAT WE PROPOSE(D) TO DO...

**Trial factory Aachen**  
**DER trial in Belgium and Germany**  
**VISUALIZATION**

# Augmented Reality



# Geo-location AR



# What we proposed to do...

- Visualization of energy production
  - FINESCE logo and QR codes as AR markers
    - at various places: factory machines, public places, events
  - User-friendly GUI using geo-location based AR engine for smart phones
    - DER locations predefined and stored on the cloud server
    - Markers indicate DERs and the current energy production level provided by FINESCE API



**Each trial site a mission**  
**SERIOUS GAME**

# Univerko – retail promotion



# Blocks based world



# What we proposed to do...

- FINESCE serious game
  - Solve missions at each trial site
  - Simulated or real data
  - Each mission provides required building blocks
    - Appropriate to the trial site
  - Goal to assemble a system or an object
    - energy distribution system, renewable energy sources, wind power generator, smart building

# Smart Buildings (Malmo, Sweden)

- Buildings scattered and connected to smart power distribution grid via connection elements
- “Smart” blocks available
  - under floor heating
  - Radiators
  - building’s thermal inertia (insulation etc.)
  - energy meters
  - electricity meters
- Simulated and real data from trial site
- Goal: to optimally place heating elements to achieve the lowest price while maintaining temperature levels which are optimal for inhabitants comfort

# E-Car Grid integration & Smart Grid Communication (Ireland)

- Electric cars and smart grid components scattered
- EV charging services used as specified by FINESCE API
  - remote control, live data, historic data
- Goal: to create a fully functional car charging network
  - Charge-points installed and connected to power grid
  - Communication network constructed using selection of available blocks

**Thanks.**

[srdjan.krco@dunavnet.eu](mailto:srdjan.krco@dunavnet.eu)