



# FINESCE



## Serious Game

July 2015



# Finesce serious game

- Main goal to present pilot sites in an interesting manner
  - Simplified explanation of all trial sites
  - Aimed at general public
- Combination of a serious game and augmented reality based interaction
- Available on Google Play
  - <https://play.google.com/store/apps/details?id=e.u.dunavnet.game.finesce&hl=en>



# Finesce Sites

- Dublin: Electric Vehicle, Grid
- Horsens: Energy management in a community of 20 single family houses
- Malmo: Energy Management System for buildings
- Madrid: Integrated energy management for office buildings
- Aachen: Smart factory
- Terni: Energy grid management in a smart city via an energy marketplace

# Graphic





# Hidden Object Game – Collecting All Necessary Parts





## Hidden Object Game – Collecting All Necessary Parts

- Hidden object games are implemented in every trial site
- Viewer (player) can learn what are the main parts of searched components by collecting parts

## Assembling Parts



**TASK 1** **TASK 2**

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**CONGRATULATIONS !!!**  
**YOU COMPLETED TASK 2 SUCCESSFULLY!**  
Now go and click on your old car to replace it with the new electric drive car.



## Assembling Parts

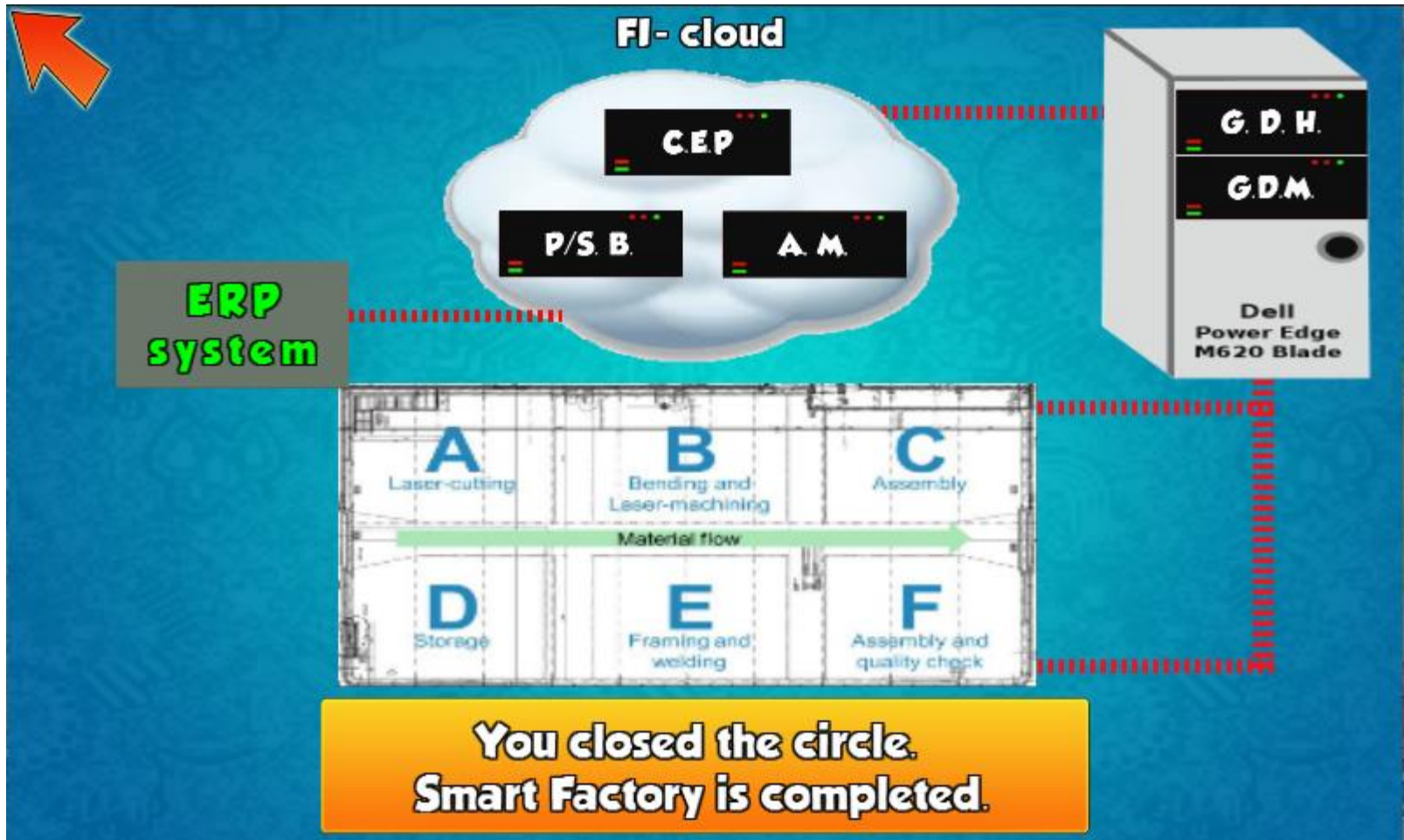
- A player needs to assemble components by choosing the correct parts
- During the game the player will learn what is Finece project all about
- For example: a player must assemble electric charger from components
- Then he/she must create a grid of chargers in city
- Then electric car could be assembled which can replace old polluting car with the green one



# Virtual Power Plant



# VPP – System Overview





## VPP – System Overview

- In this game player must think of optimizing a supply of electric energy on demand
- This is by using renewable energy sources and utilizing power plants that are closer to consumer

# Energy Consumption Preview In Small Community





## Energy Consumption Preview In Small Community

- Goal of this game is to introduce smart meters for homes
- Aim is to encourage users to switch to wind and solar energy sources



## Smart Building Energy Control





## Smart Building Energy Control

- Goal of game is to show how the daily routine could be interesting
- If energy consumption is controlled in the homes remotely
- Using tablets or mobile phones

