

nano-tera.ch swiss scientific initiative in health / security / environment systems

Greenpower control station





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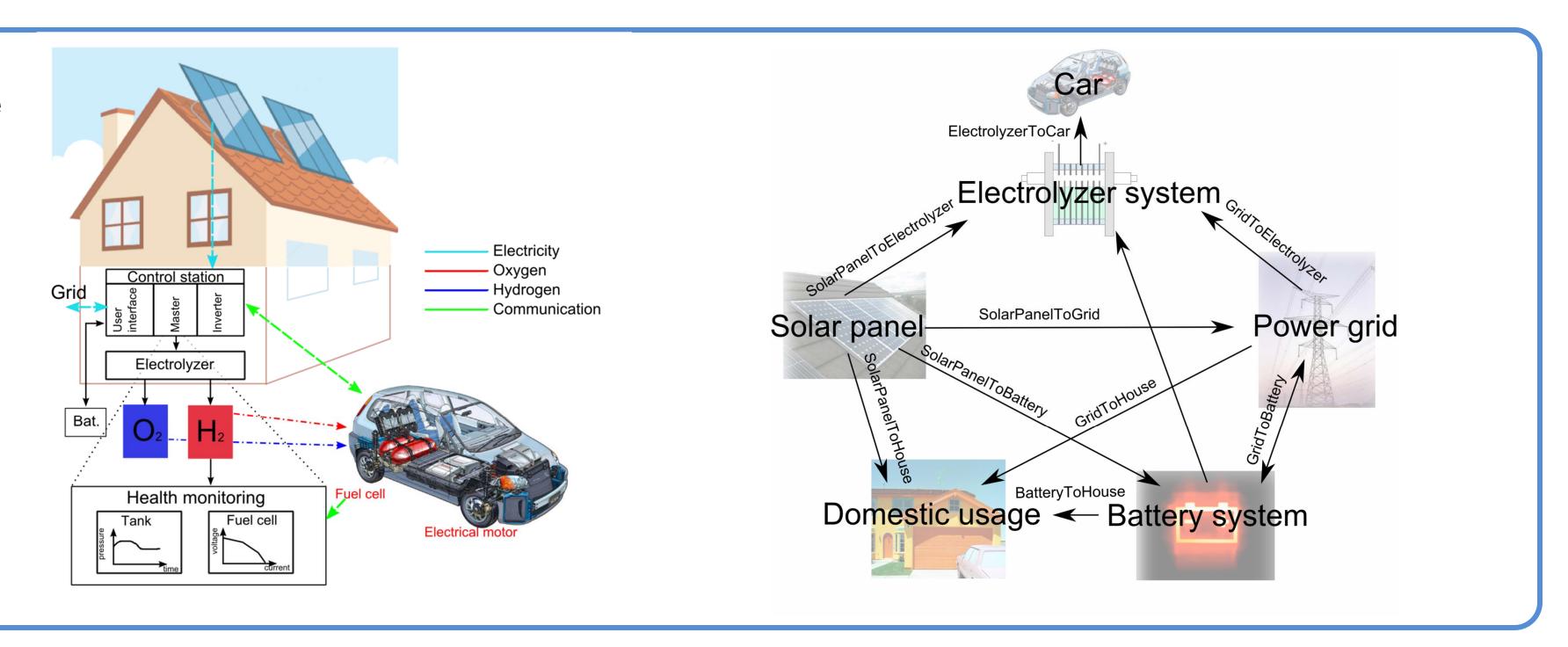
Introduction

Greenpower answers the electricity demand increase and the extra demand linked to hydrogen and electric vehicles. It proposes a new decentralized concept for clean mobility.

In Greenpower:

The house is equipped with:

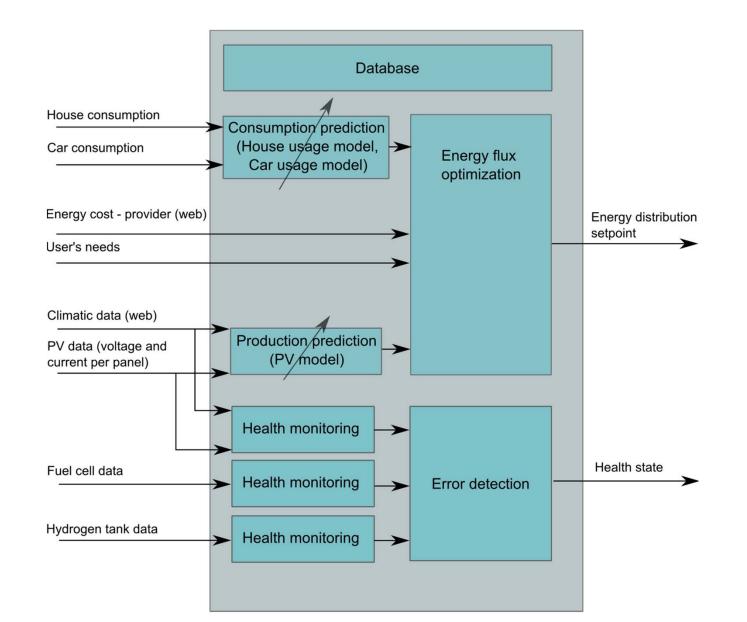
- Solar panels and inverters
- An electrolyser system with gas storage
- A battery
- A control station, the brain of energy production / storage



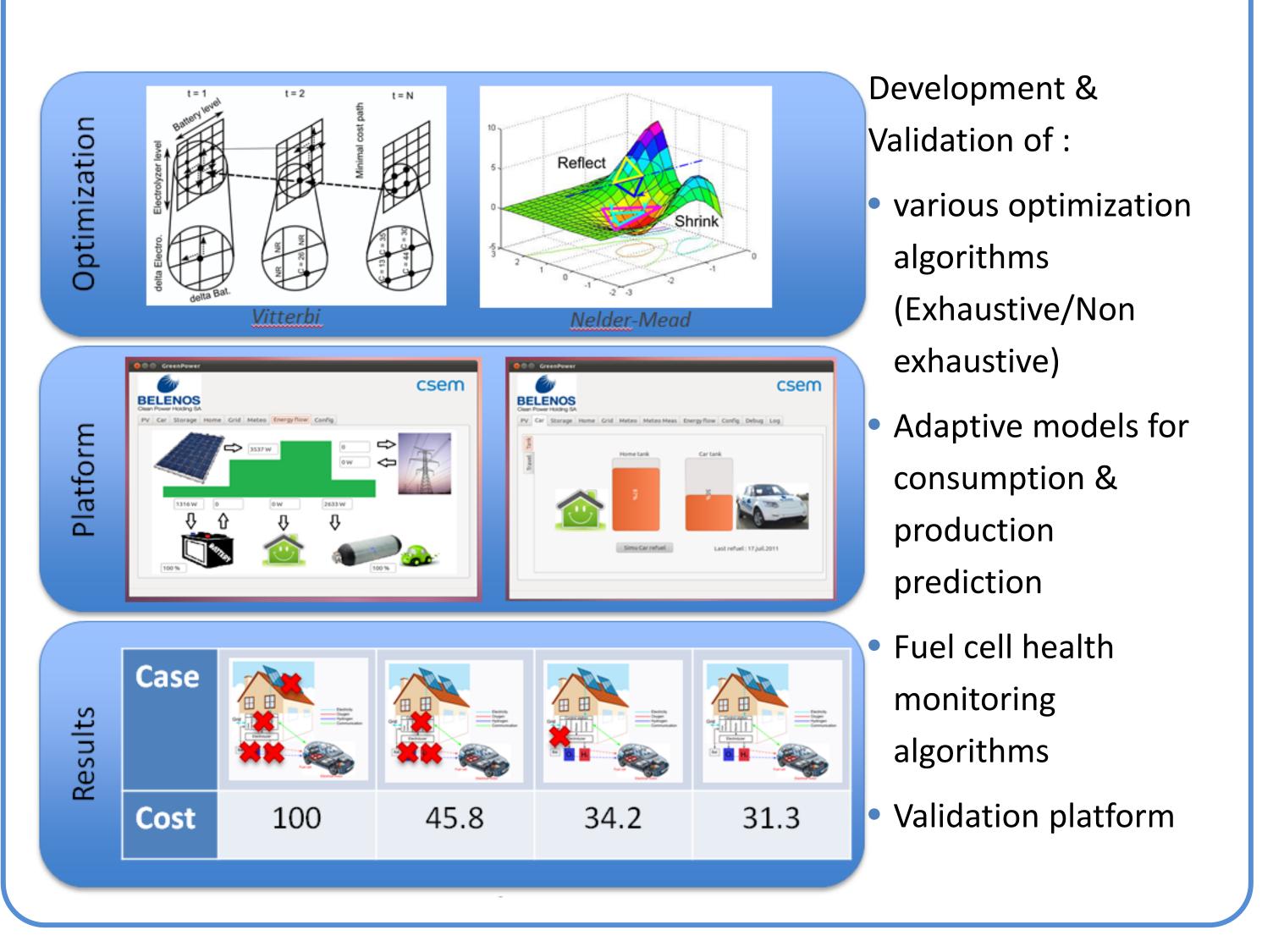
Control station

Energy flow optimization at domestic level between all the players:

- Prediction of energy production
- Predition of domestic energy consumption
- Prediction of energy needs for mobility
- Prediction feed an optimization block
- Health monitorting algorithms



Principle and results



Test platform

