imec, partner in EnergyVille

imec, world leading research in nano-electronics, digital applications and energy
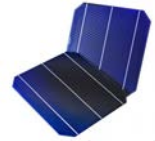
imec, founded in 1984 in Leuven, Belgium

- Independent non-for-profit organization
- ~550 million € revenue in 2017
- >2 billion € infrastructure
- ~3500 people working at imec, ~70 nationalities
- ~1500 peer-reviewed publications per year
- ~125 patents filed per year
- Collaboration with ~600 companies and ~200 universities

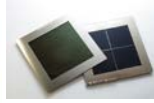EnergyVille, focusing on energy research

- ~250 researchers
- ~35 million € revenue
- ~95 PhD students

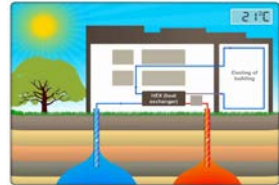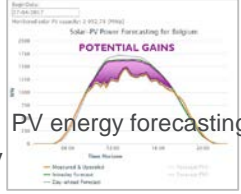## EnergyVille, leading energy research

+23% solar cells

Perovskites

PV energy forecasting

flexible PV

new modules & convertors

BIPV

new batteries

energy markets

thermal energy solutions

smart grid

Concepts for energy storage

Coupled local energy networks

battery management system

E-market

Energy consumption patterns

Integrate buildings and transport

Integration tools and control strategies

Flexibility of energy consumers
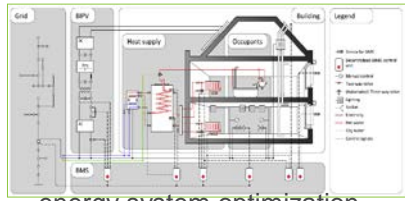
energy system optimization