

Нови перспективни модели на изграждане на индивидуални енергийни системи

със SMART GRID технология

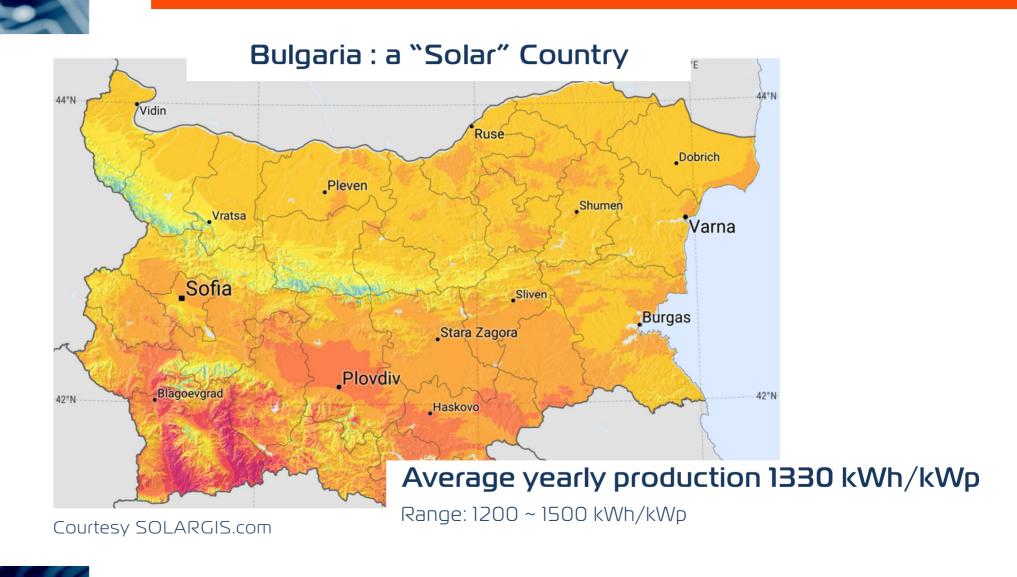


New innovative models of construction of individual energy systems

with SMART GRID technology

KE05

Bulgaria: Excellent SMART Energy Balance



KEO5



SMART building ecosystem KEO5 Management Remote access for monitoring Lifts control **GRID-ONE Data Center** Firealarm& Firefighting Hydroforic and management GRID-ONE Dispatching Security & CCTV systems **SMART** Hot water systems HUB Датчик за осветеност Hydrogen & Lithium Remote Control Датчик за присъствие **Photovoltaics** Conditioners VRF/VRV systems Датчик за СО2, озон и запрашеност Weather monitoring Meters Lights control Climatronics Датчик за температура и влажност 2022 © T&D Engineering



2023:

No Individual Energy Systems Sector No Geothermal Energy Communities No EV Energy Production Balancing

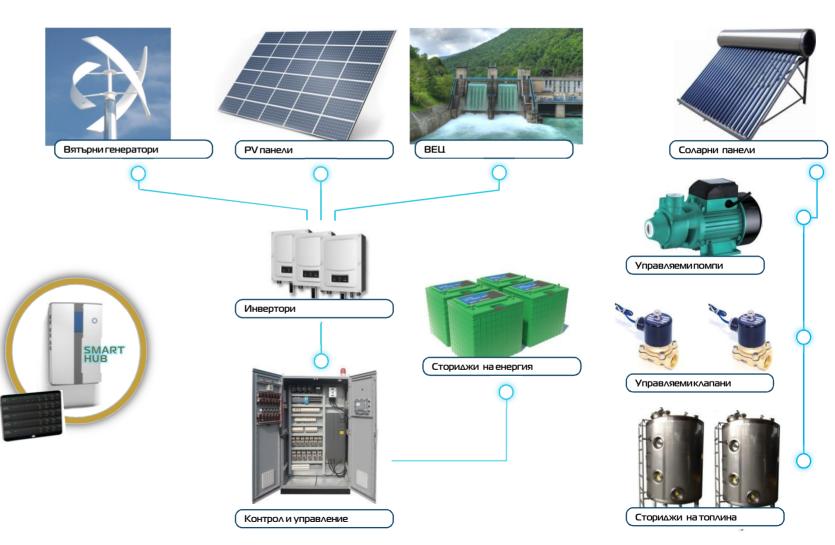
and

No National Strategy!





Individual systems for "green energy"

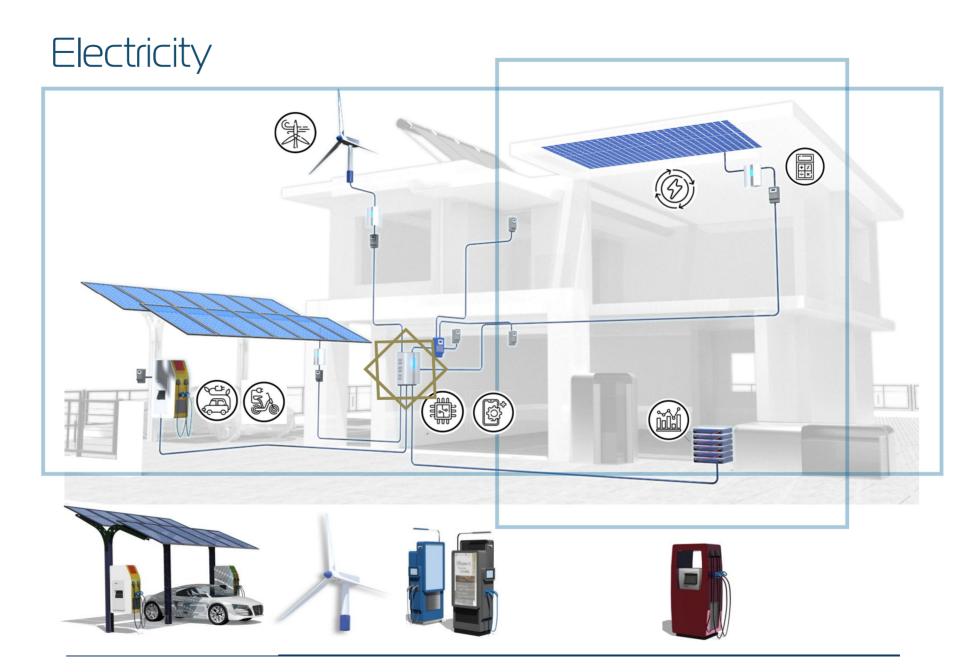




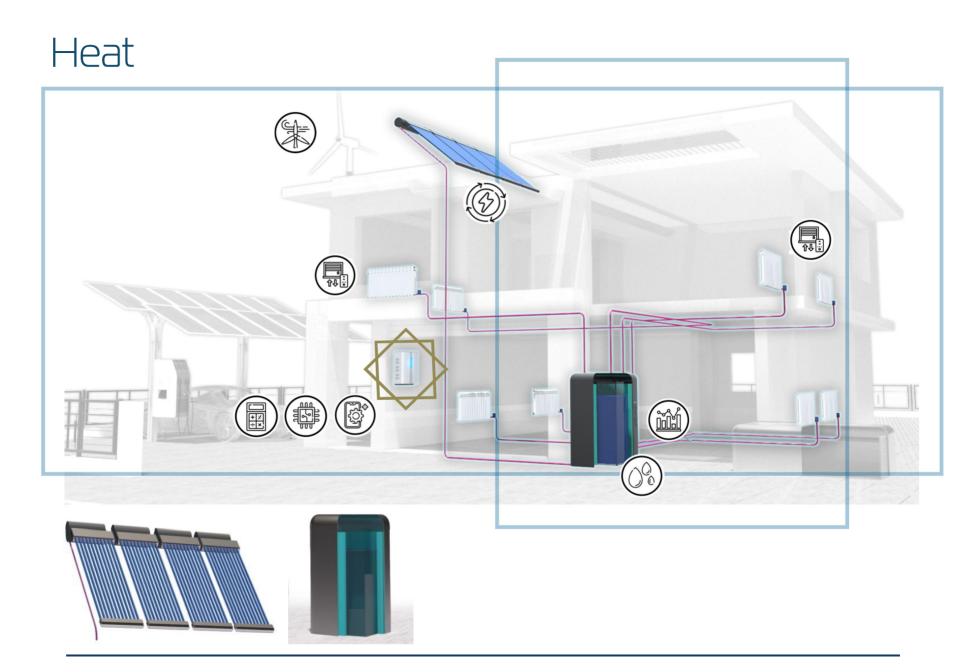




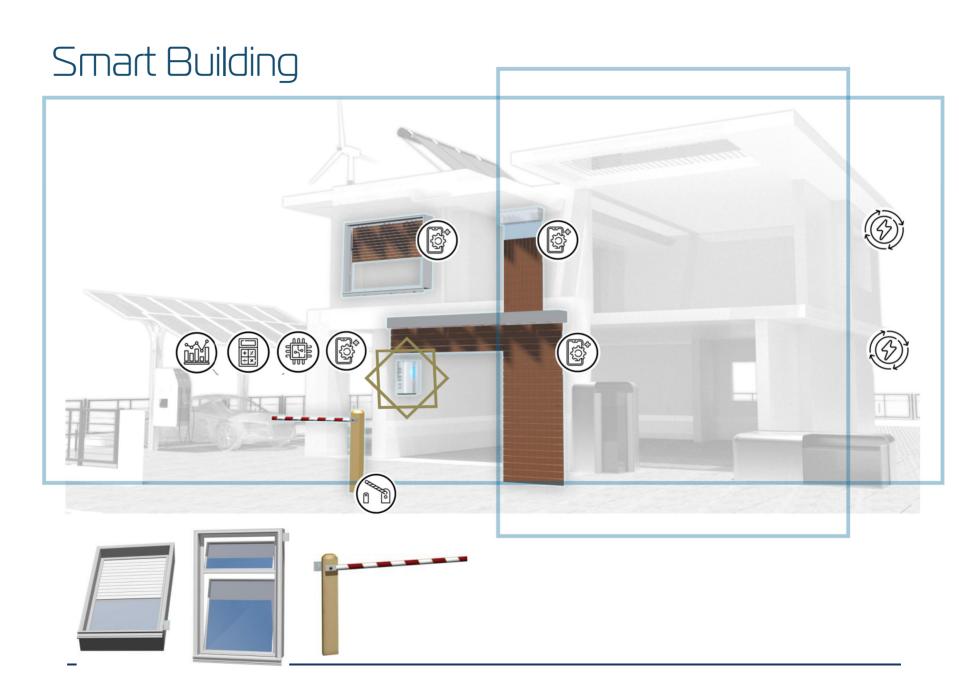














2023:

The main market driver?

How to organize it?

WHAT IS INNOVATIVE?

The key technology?



The main market driver

Integrated EVs = Lithium Storages



"The Fifth Whale"





Innovative = No Iosses = Min. energy

SMART system for circulating generated energy and present microclimatic energy in buildings – best comfort without additional energy costs





- Indoor heat/cold in SMART buildings is never dumped outside.
- Heat/cold flows are recovered and utilised between different zones in the building
- Chepest available electricity used



The key technology

- GRID-ONE Global Management
- SMART Grid management
- SMART City management
- Energy System Management
- Country City Community Building



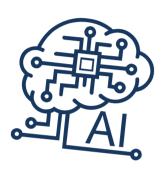


Green Targets: Bulgaria'2040

- 1. 5 kWh PV per roof
 - "Amount of PV not a real target!"
- 2. 380 000 EVs with 100kWh batt.
 - ~ 15% of all 4-wheel vehicles
- 3. ALL chargers: G2V + V2G
 - 2 types of chargers:
 - BIG + Fast/Small Capacity/Available
- 4. Energy Communities with 100% energy recycling



GRID-ONE: One Grid, to bind them all.









THANK YOU