



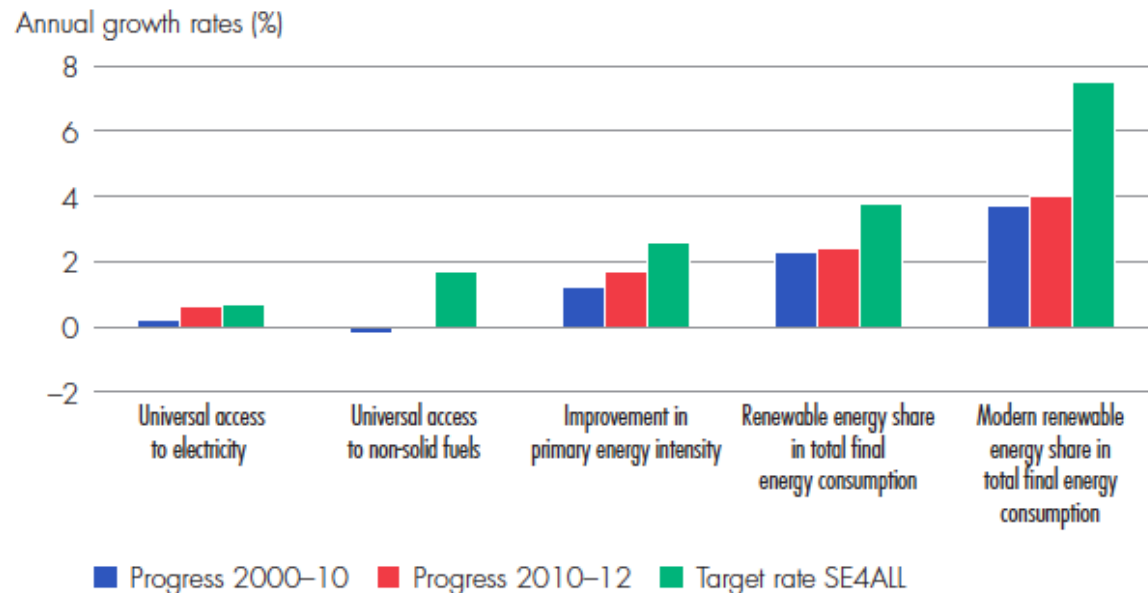
TIGER POWER

Plug & Play clean energy systems for
remote applications

Presentation to BICC&I
Leuven, 15 March 2016
Chris Prengels, CEO

Progress toward Sustainable Energy SE4ALL key findings 2015*

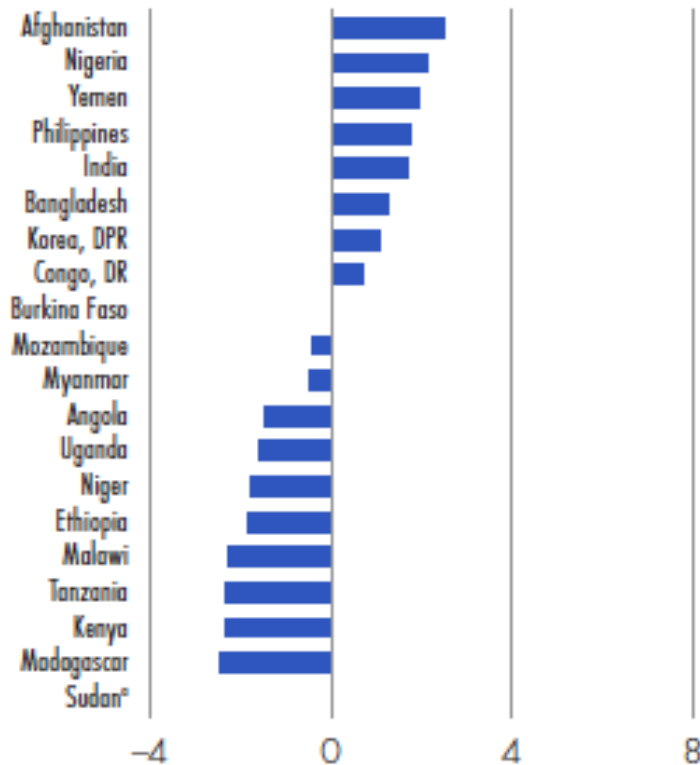
- Study presents an update on how fast the world has been moving toward the goal of Sustainable Energy for All by 2030.



- Efforts must be doubled, particularly in countries with large access deficits.
- The growth of RE will need to increase by >50% which equals to an annual investment of \$ 442 – 650 billion.

* source: World Bank Global Electrification database 2015

Access to electricity, average annual growth rate (%)*



➤ Out of the 20 countries with largest electrification deficit, only 8 succeeded to expand electrification more rapidly than demographic growth.

➤ Traditional measures of energy access are not able to capture broader deficiencies in the **Affordability, Reliability and Quality of Service !**

* source: IEA and UN data

Rural electrification set to transform Asia-Pacific microgrid market

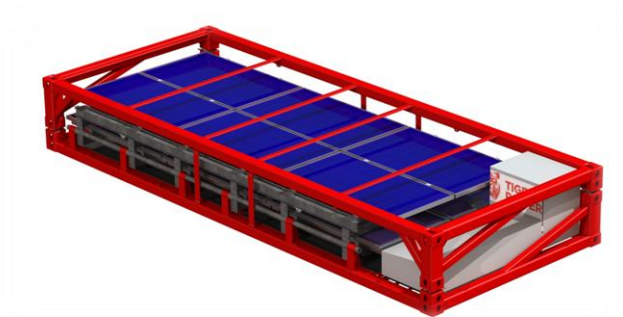
- Study by Frost & Sullivan: Analysis of the Asia-Pacific microgrid Market (18 sept 2014)
- With a number of pilot projects being tested in most countries, the microgrid market in Asia Pacific is on the verge of exponential growth.
- The market still has to clear several hurdles to achieve its full potential. For instance, **land acquisition** for solar PV installation is complicated in rural areas, where land is unregistered. Acquisition of **skilled labor** in remote areas is another challenge that can hold the market back to some extent.

Our Mission

- Tiger Power brings **Affordable and Reliable** Clean Energy to remote locations and applications, thereby offering **Quality of Service** and **coping with the local constraints** such as land acquisition, skilled labor and others.
- We focus on **small to midscale (temporary) off-grid and poor-grid applications** where today one mostly relies on diesel generators:
 - Rural electrification
 - Country houses, safari lodges, remote farms
 - Temporary offices, storage facilities, etc for e.g. construction and mining sites
 - Emergency hospitals and schools, humanitarian aid, ...
 - Refrigerated containers for distribution and storage of medical supplies
 - Telecom antennas
 - etc

Products and Services

➤ SUNFOLD®



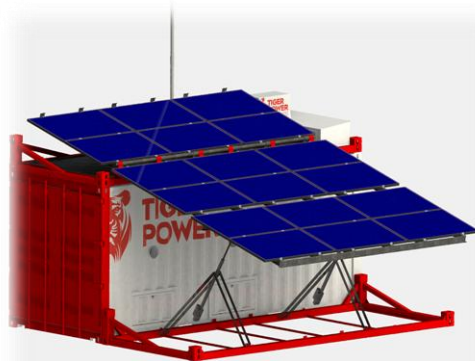
➤ STORAGER®



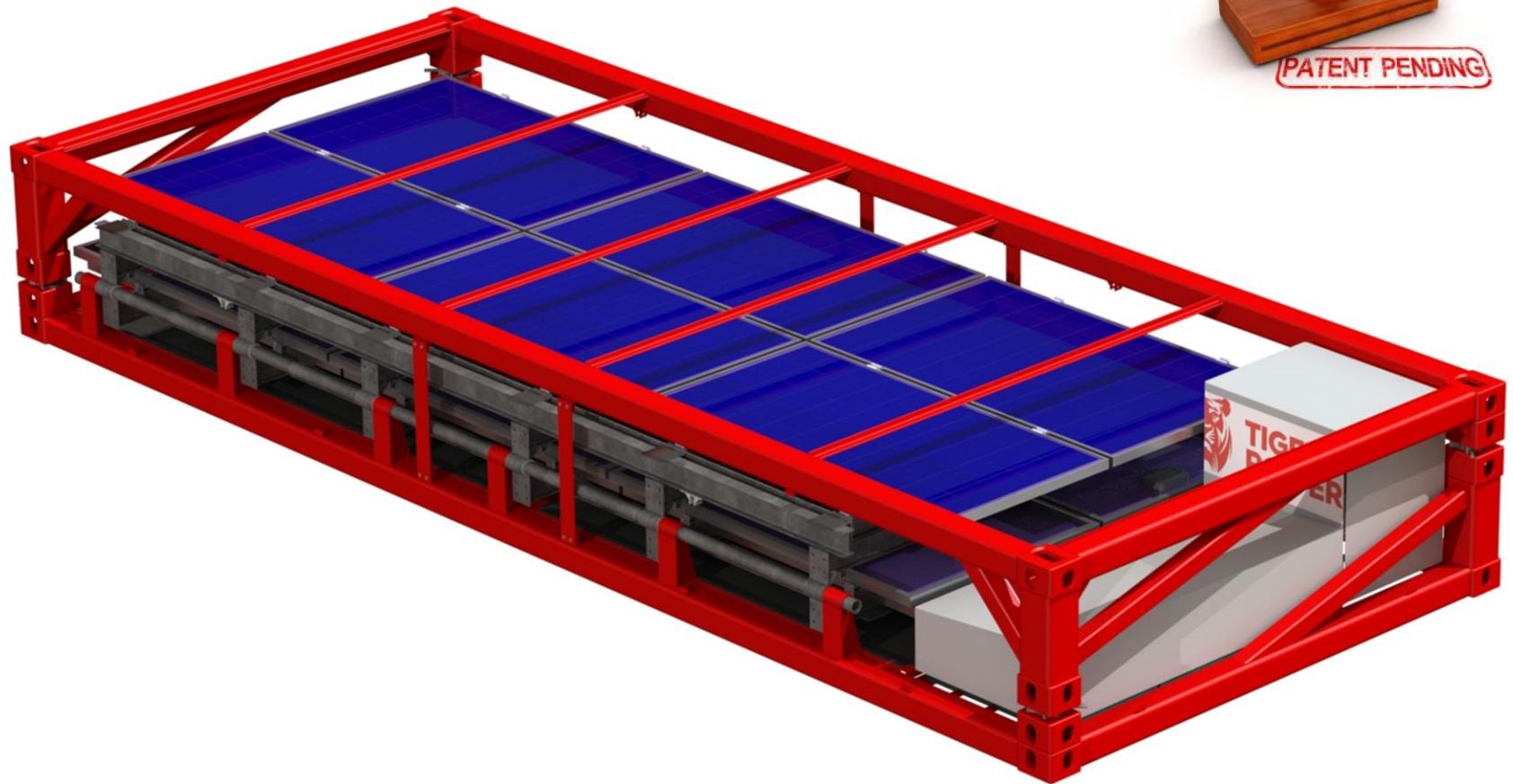
➤ Services

- Simulations
- Full-scale test units
- Remote Management

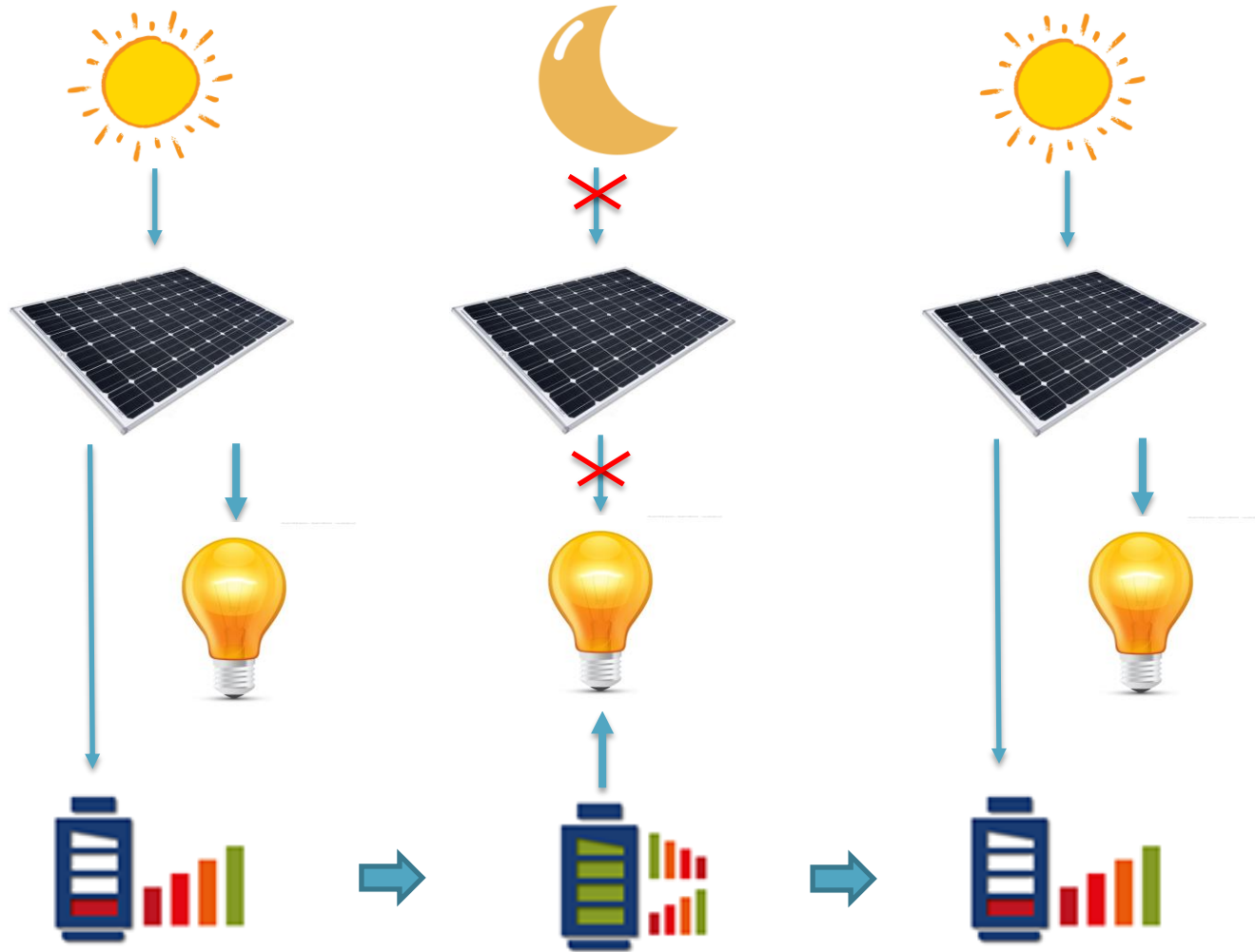
➤ POWERCAMP®



SUNFOLD®



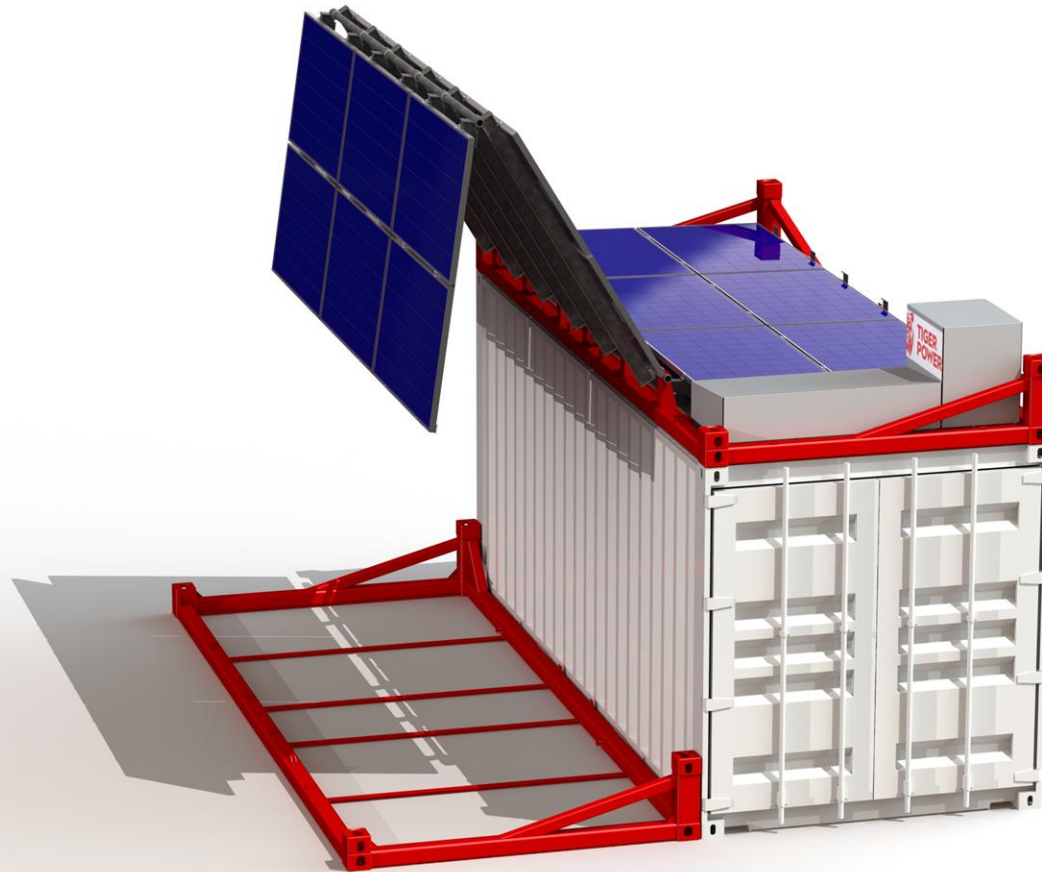
SUNFOLD® clean energy generation and short-term storage



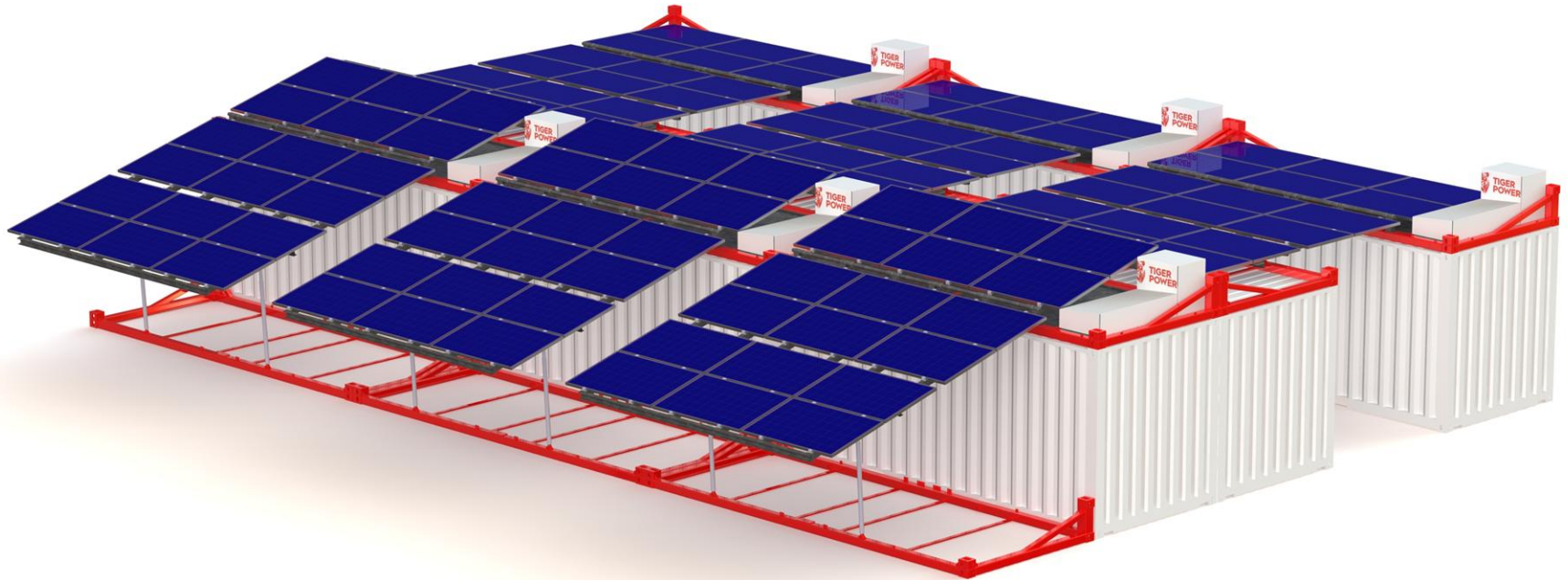
SUNFOLD® stacked for transport



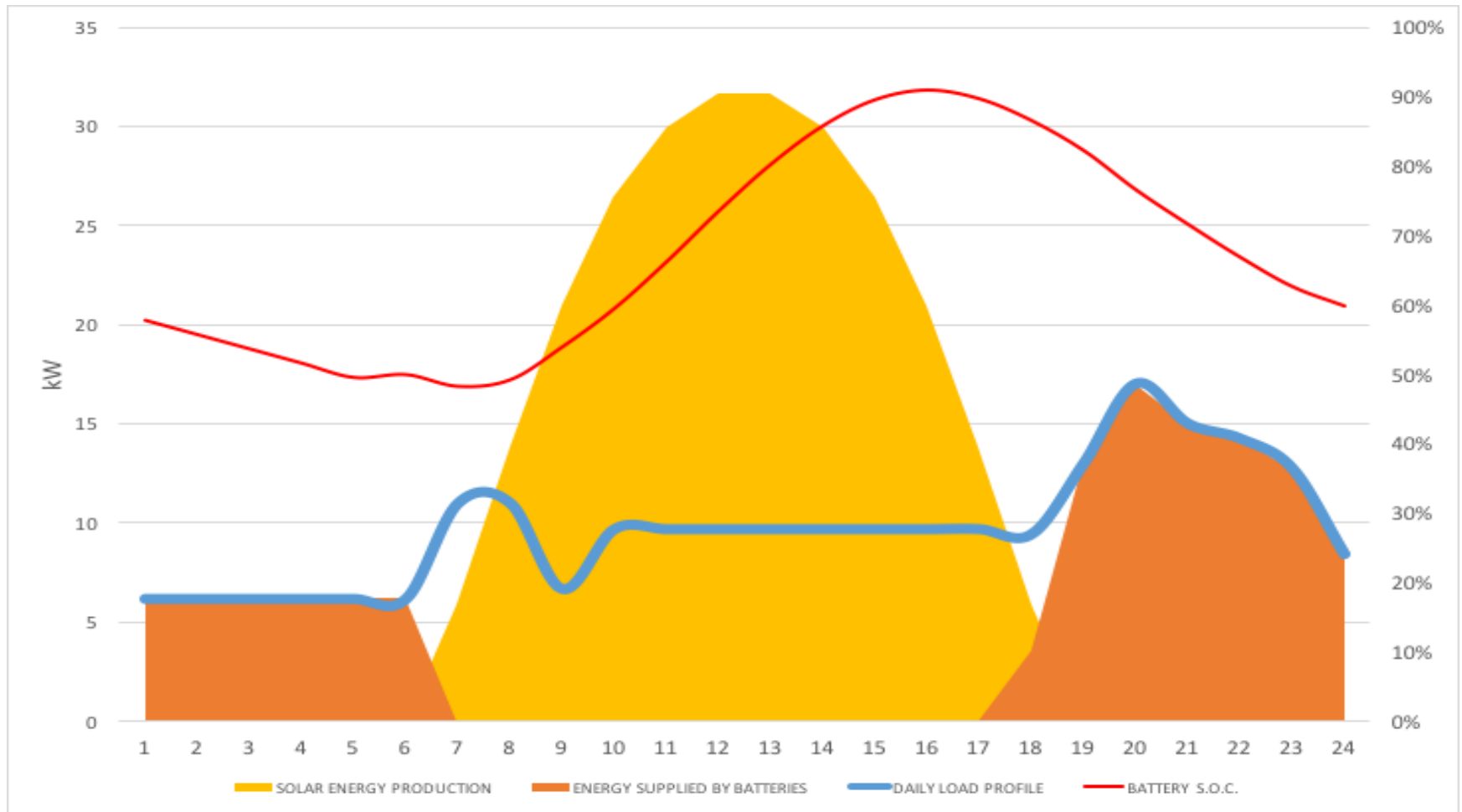
SUNFOLD® being unfolded on site



SUNFOLD® as a modular and flexible energy solution



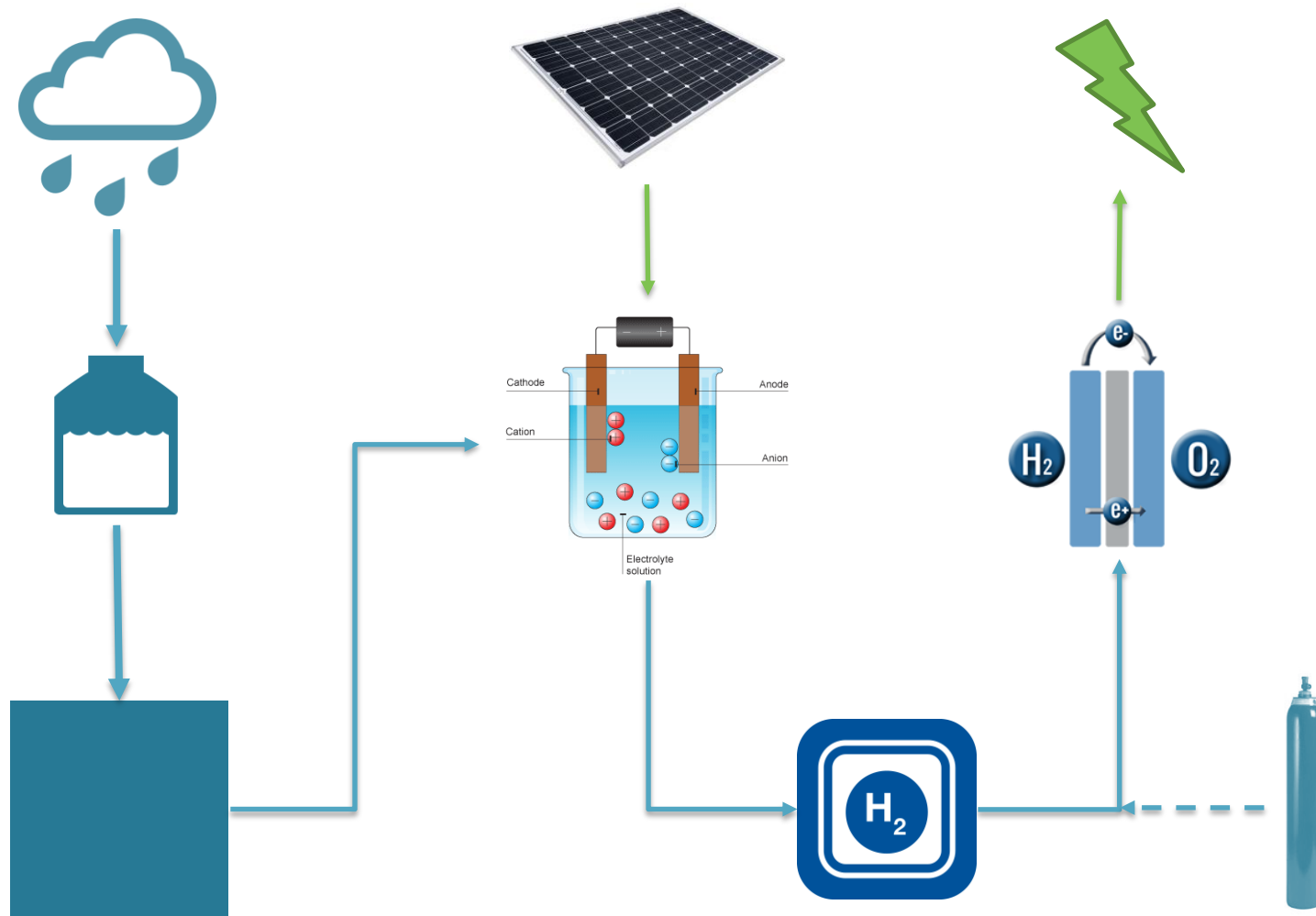
SUNFOLD® stores energy for usage before sunrise and after sunset



STORAGER[®]



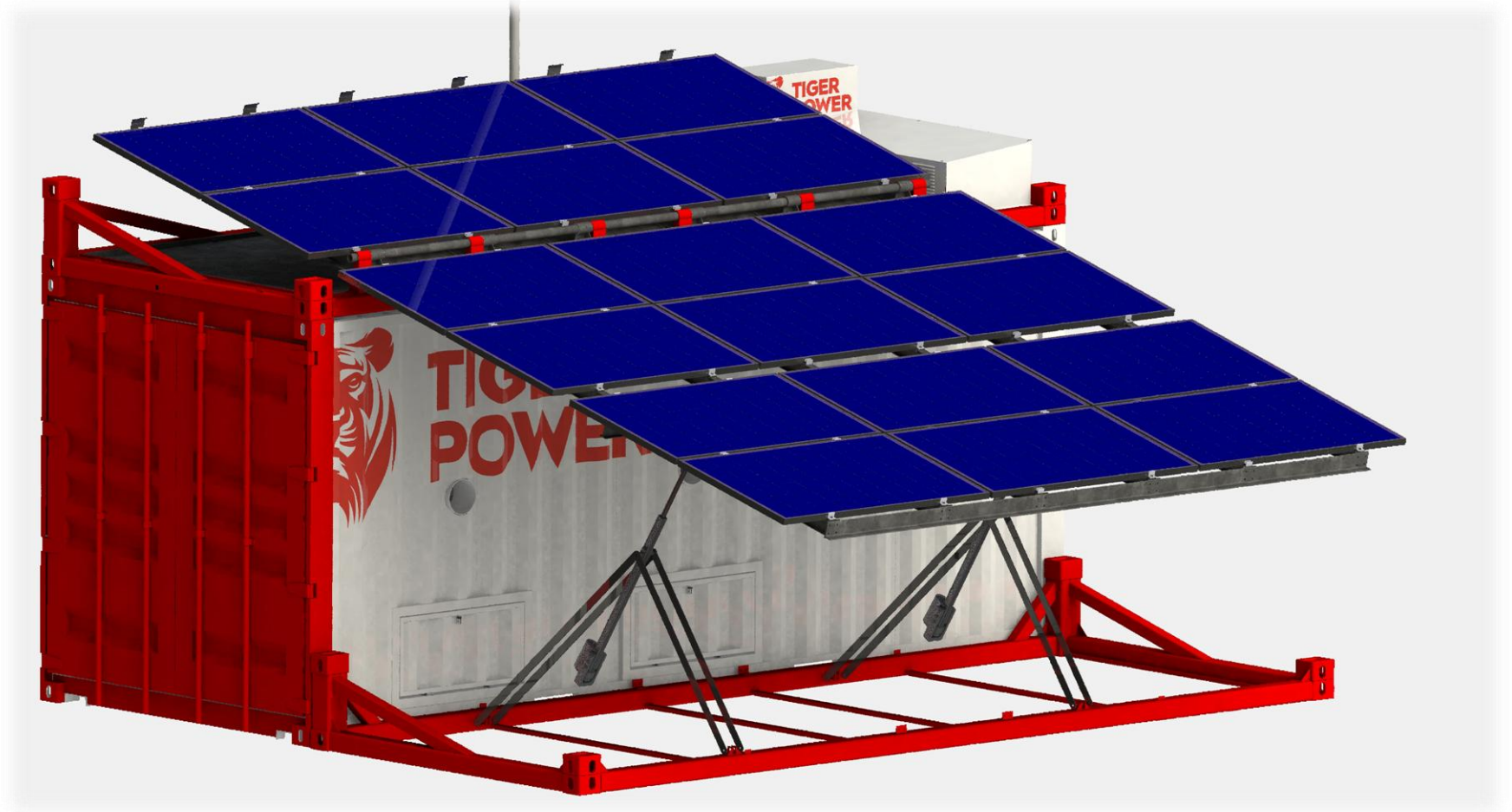
STORAGER[®] long-term energy storage principle



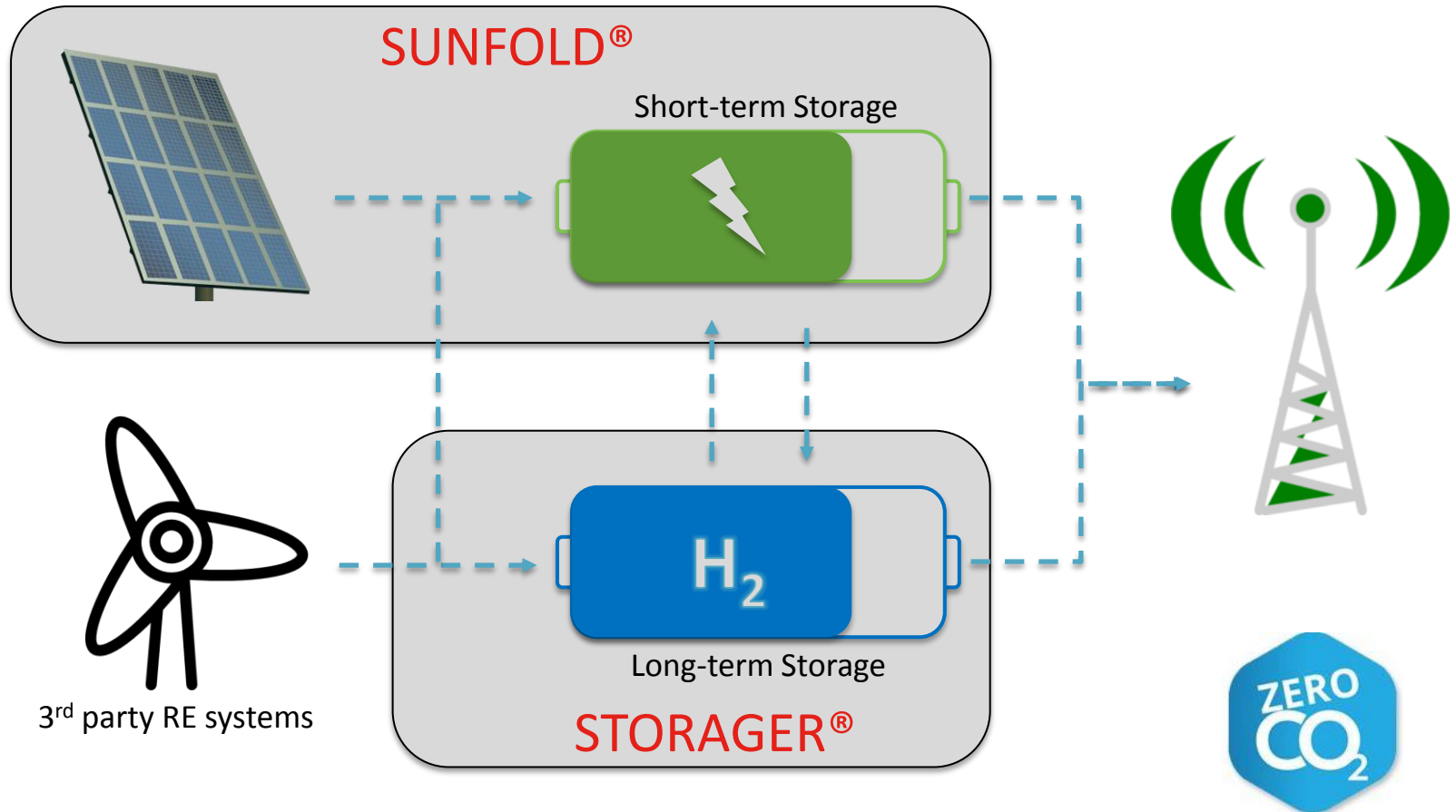
STORAGER[®] lay-out



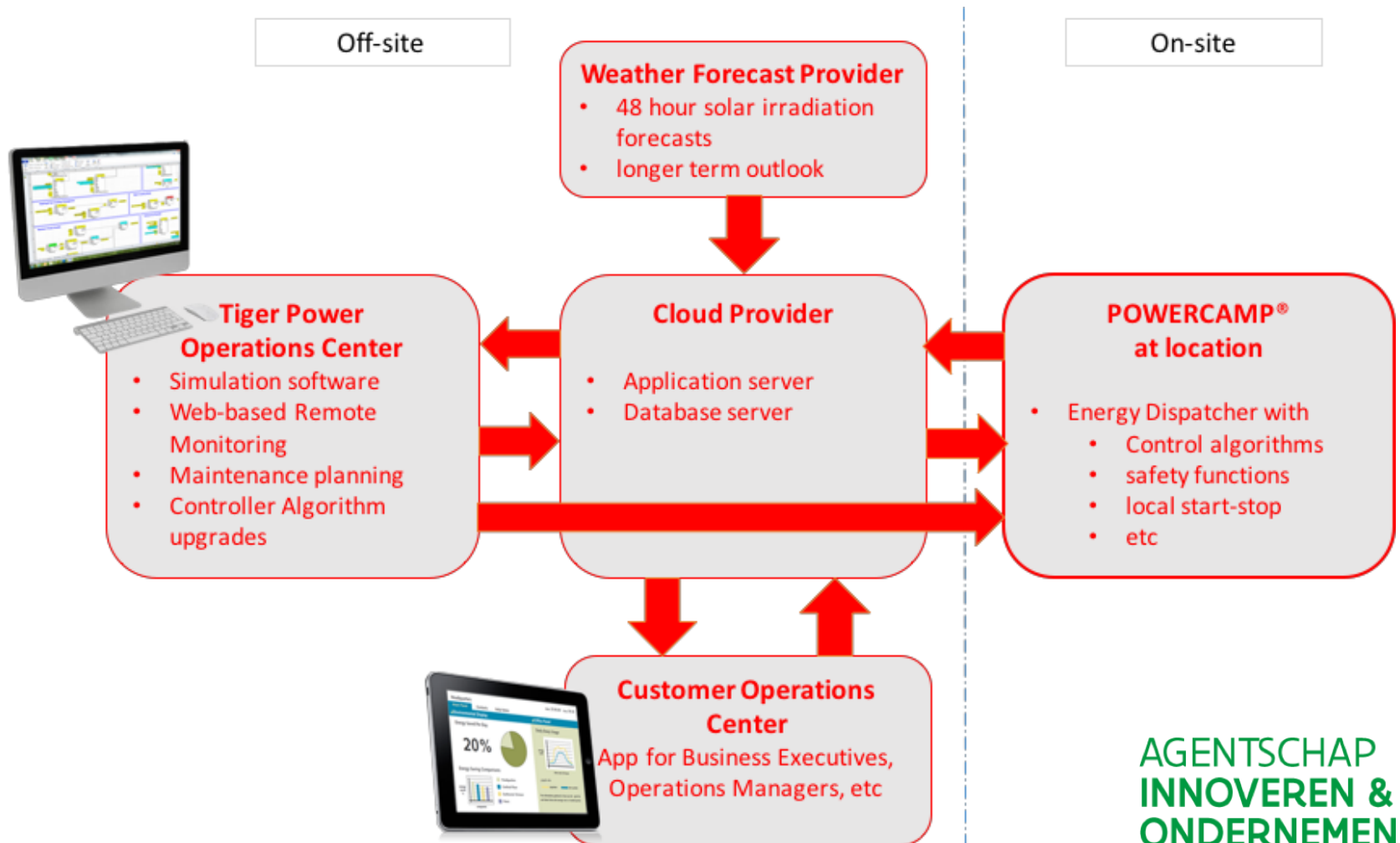
POWERCAMP®



POWERCAMP[®] principle

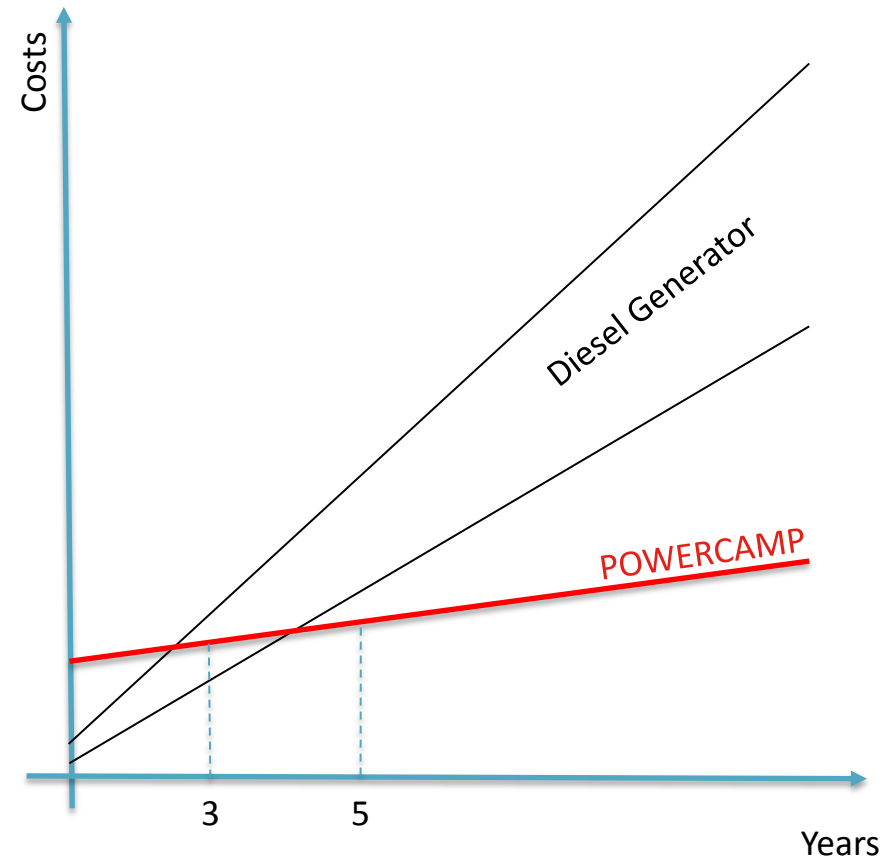
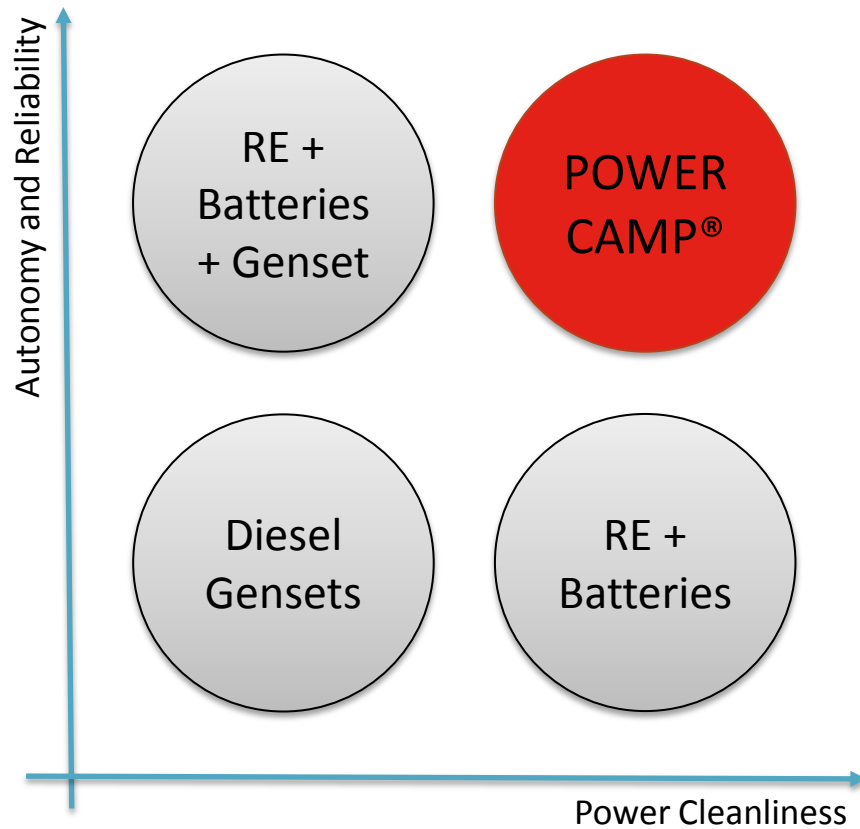


Predictive and Self-Learning Energy Management System



AGENTSCHAP
INNOVEREN &
ONDERNEMEN

Technological comparison



TIGER POWER – Clean Energy Made Easy

➤ Affordable:

- ROI compared to running a diesel genset is 3 to 5 years
- Seen over 20 years the LCOE is much lower
- Tiger Power offers competitive short term loans

➤ Clean and Reliable:

- Zero-emission, zero-noise
- 100% clean energy on 24x7x52 basis
- Hybrid storage technology for better performance, higher availability and longer autonomy

➤ Quality Service:

- Complete Remote Monitoring and Management System
- In-house simulation software and full-scale test unit

➤ Coping with the local constraints:

- Modular Plug & Play systems
- No electro-mechanical or civil works on site
- Very low maintenance requirements (no moving parts)

Contact us

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