SOLAR

EFFICIENT CPV RECEIVER

40.7% electrical efficiency

Electricity

NETWORKS AND STORAGE FACILITIES

END USES

- Residential, commercial, and industrial customers
- Ancillary services,...

- Transport
- Syngas for industry & synthetic fuels
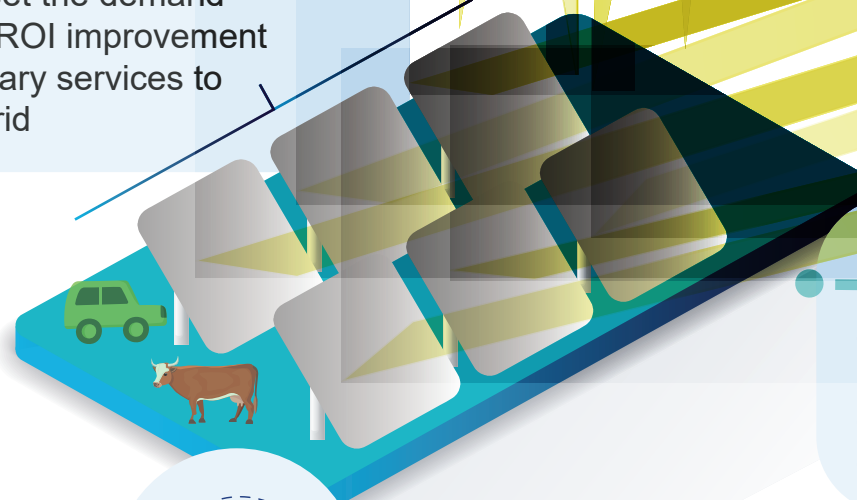- Metallurgic and others industries

- SHIP
- CSP
- DHC

INPUT DATA

- Solar forecast
- Storage levels
- Real-time energy demands and market prices

SMART ENERGY MANAGEMENT WITH AI

- Optimised energy production to meet the demand
- 30% ROI improvement
- Ancillary services to the grid

H2

Heat

BI-ENERGY H2 RECEIVER

- 85% thermal efficiency for H2 production
- Bi-energy source: solar/elec.
- CCUS strategies

CST RECEIVER

Data from ACC portfolio

NOMENCLATURE:

- **AI**: Artificial Intelligence
- **CCUS**: Carbon Capture, Use and Storage
- **SHIP**: Solar Heat for Industrial Processes
- **CSP**: Concentrated Solar Power
- **DHC**: District Heating & Cooling

TECHNO-ECONOMIC, ENVIRONMENTAL AND SOCIAL ASSESMENT

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