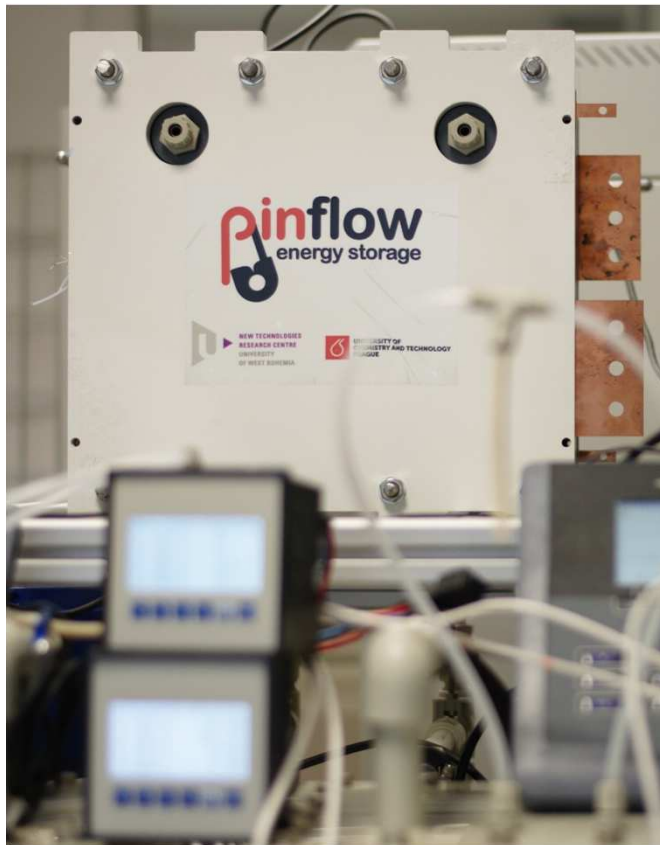
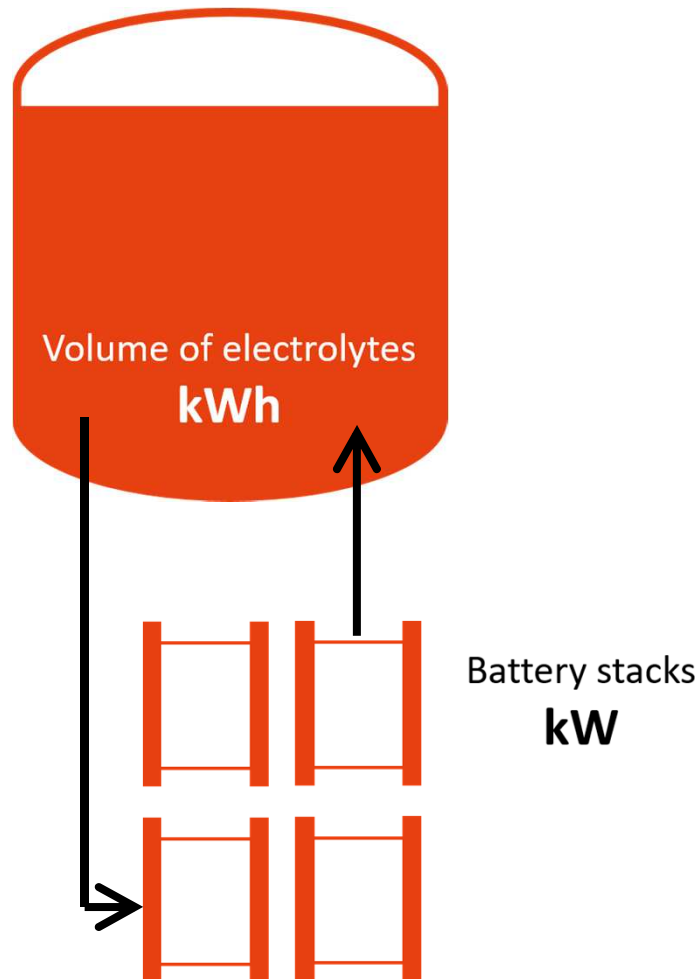


Pinflow energy storage

Solutions for stationary applications



Flow technology benefits



Independent power and capacity setup



100% DOD and simultaneous charge/discharge



Safe and environmentally friendly



Low maintenance and operating costs

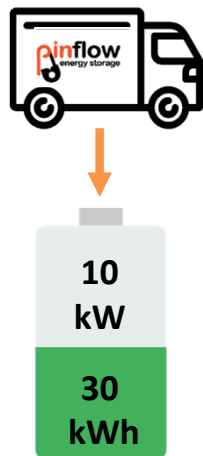
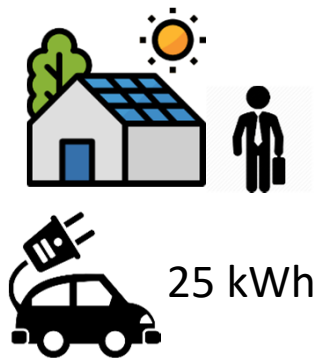


Excellent durability and cycleability

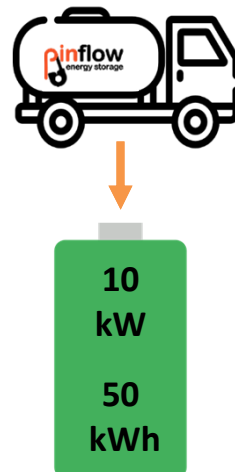
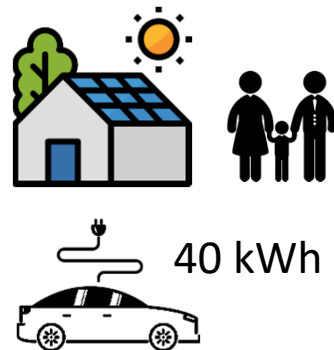


Flow technology benefits

Today



+5 years



Independent power and capacity setup



100% DOD and simultaneous charge/discharge



Safe and environmentally friendly



Low maintenance and operating costs



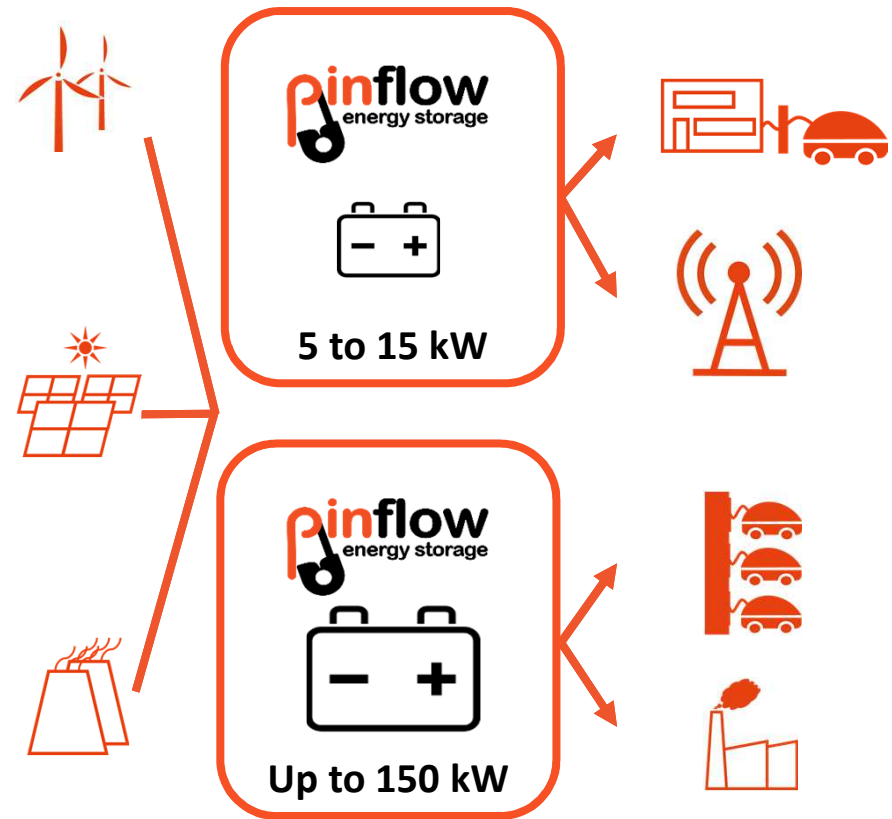
Excellent durability and cycleability



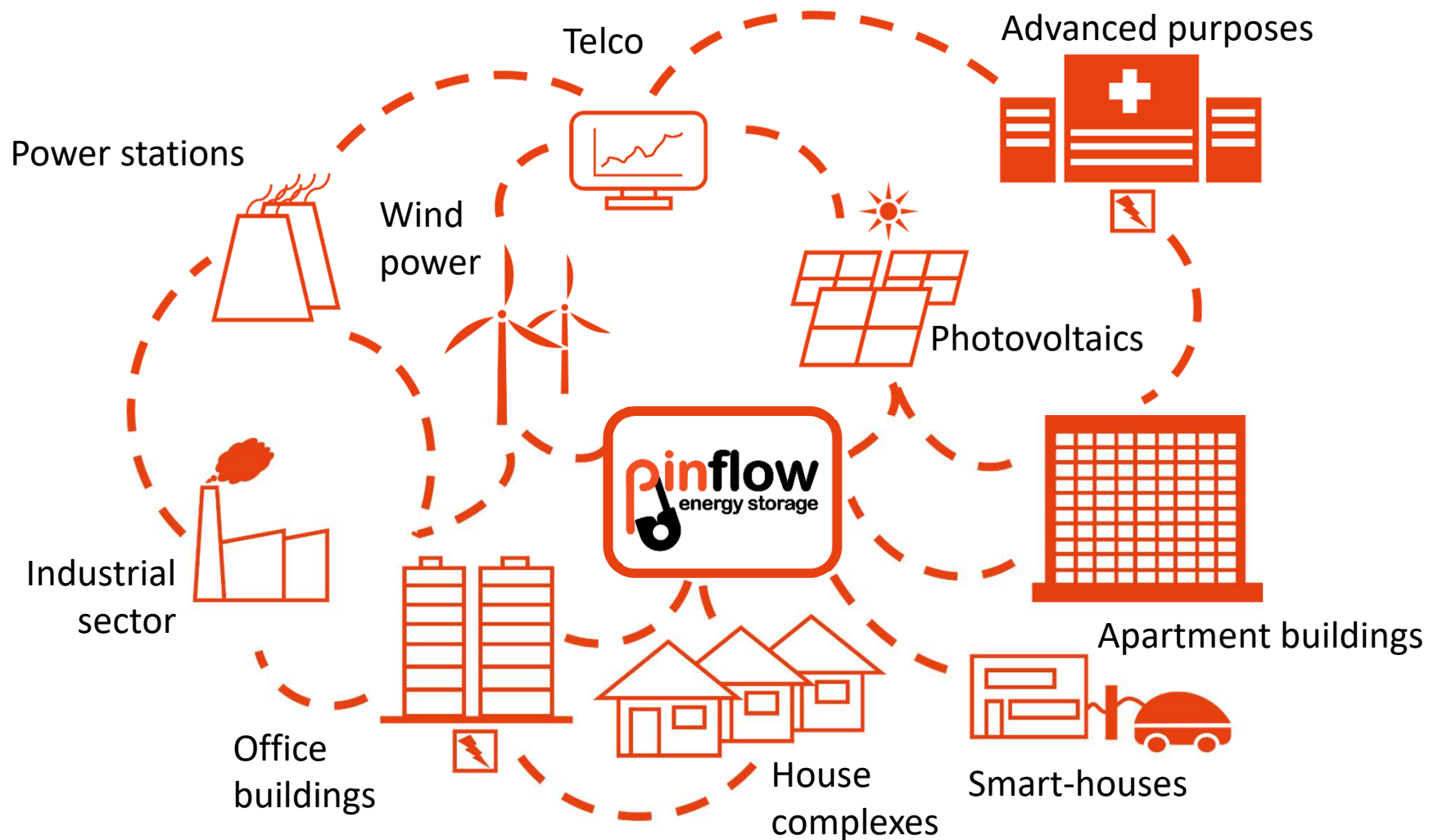
Modules

Performance

DC/DC efficiency	> 80 %	
AC/AC efficiency	> 70 %	
Depth of discharge	100 %	
Nominal stack power	5 kW	50 kW
Rated current	105 A	
DC voltage	48 V	480 V
Energy capacity	Up to 50 kWh	Up to 500 kWh
Max. stack discharging power	12 kW	120 kW
Max. stack charging power	10 kW	10 kW
AC/AC efficiency at max. power (overloaded)	> 60 %	
System life	> 25 years, > 15000 cycles	



**Reference system
installed in Pilsen**



Small system: < 20 kW/100 kWh

Mid system: < 300 kW/1000 kWh

Grid applications: > 1MW/2MWh



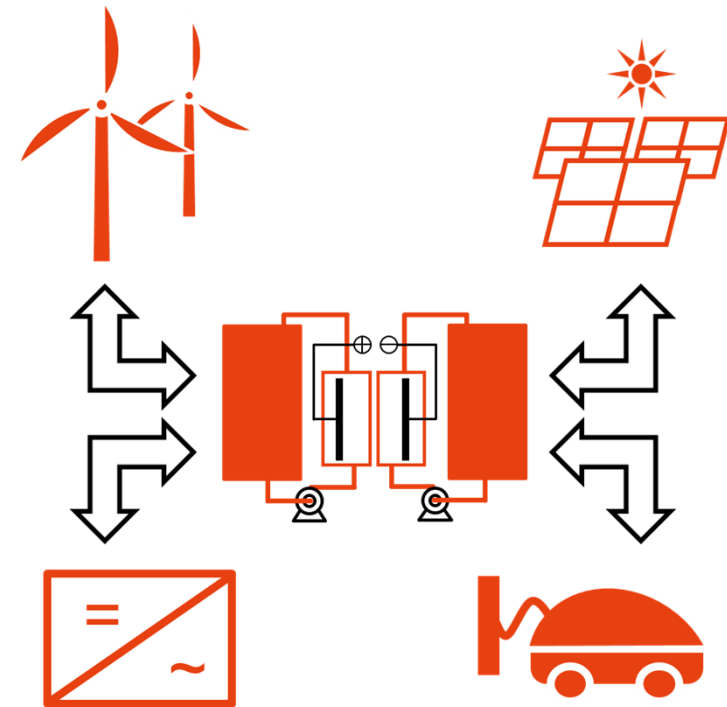
System integration

Tailor-made solutions

- Batteries with / without inverters
- Solar panels / wind turbines
- Electric car charging station
- AC / DC coupled system
- One / three phase system

Warranty

- Standard: up to 10 years
- Additional: +5 / +10 years



*We proudly declare battery recycling
at the end of battery life.*



Your Demand?

Purpose of system

Costs of your current solution

Consumption curve / prediction

Source curve / source preference

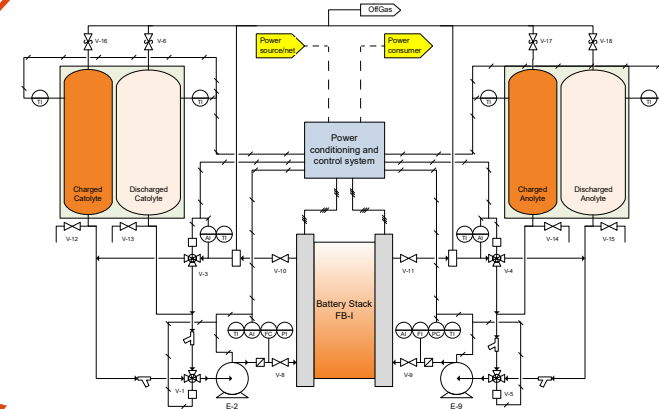
Foot-print limitations?

Grid / off-grid? Availability of connection?

One / three phase system?

Critical application?

Usual temperature range?



Express your interest, contact me



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Power in Flow for homes, industry and grid