



NAPĘDZAMY REVOLUCJĘ

Our offer in hydrogen products and services

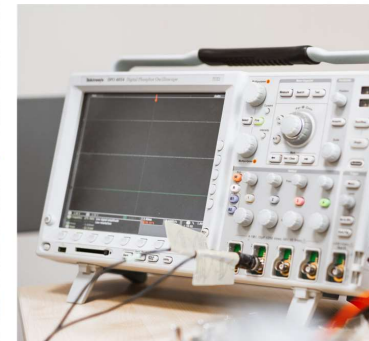
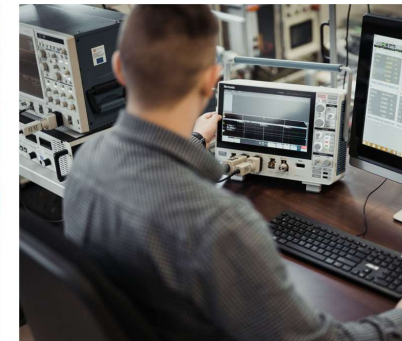
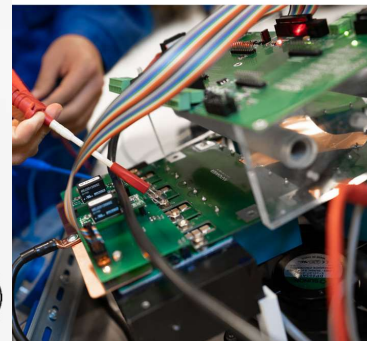
2023



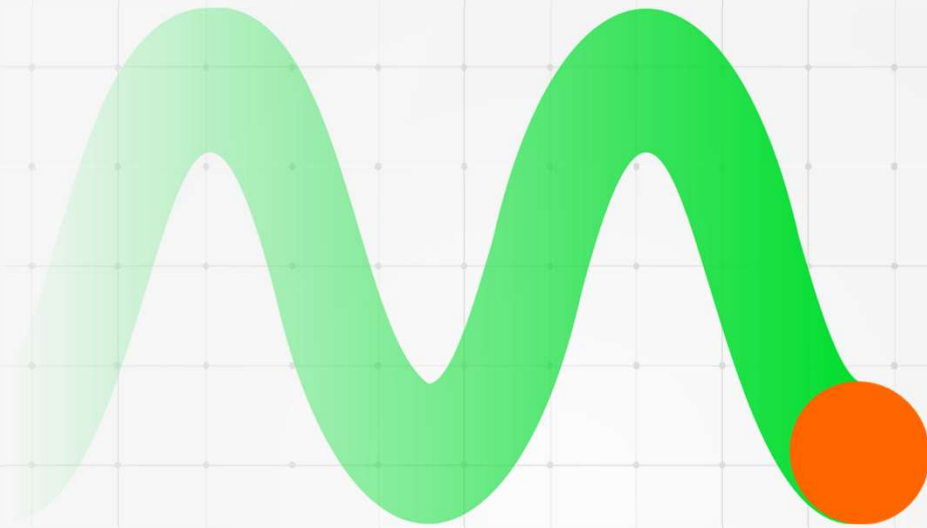
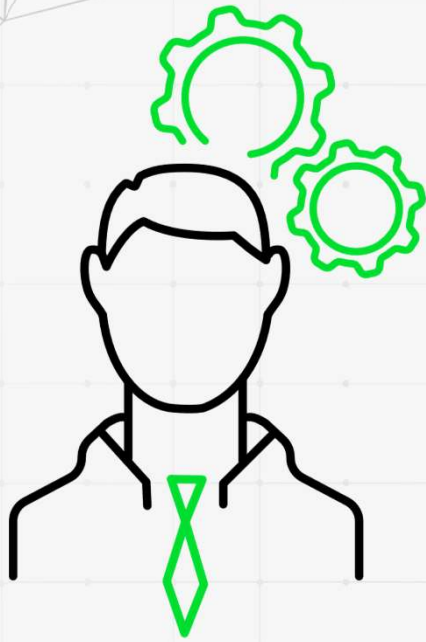
mPower Sp. z o.o. – the team

- Design, prototyping, optimization and production of power electronic systems, hydrogen and electric drive systems – inverters, converters, drive motors.
- **The team of 17 highly qualified specialists:** - power electronic engineers and PhDs, embedded programmers, electric motor designers, European Project specialists,
- Tailored solutions for: heavy duty and public transportation vehicles, intralogistics, marine drives, special applications,
- Broad power spectrum: – from 2 kW up to 200 kW in a single unit,
- ISO 9001 certified
- A part of Ekoenergetyka S.A. capital group.

EKO SMART ENERGY SYSTEMS
ENERGETYKA

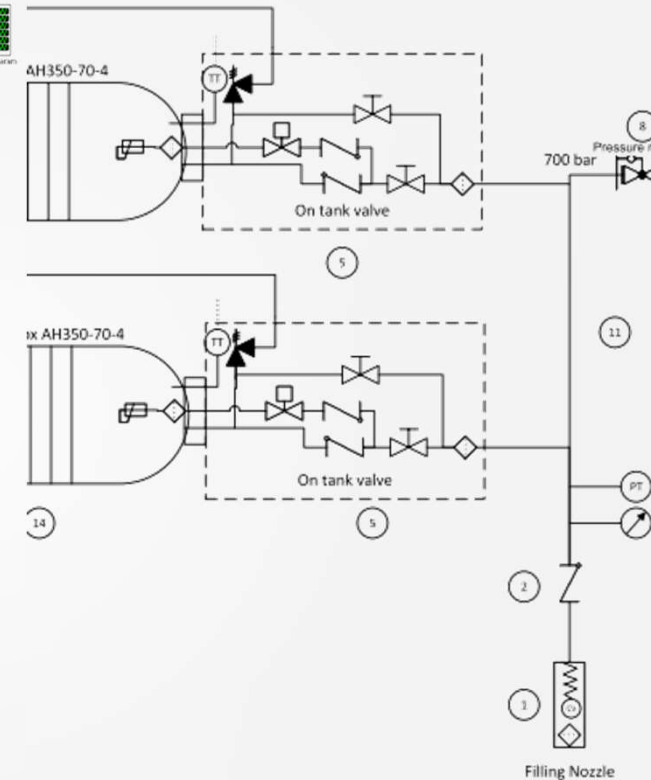
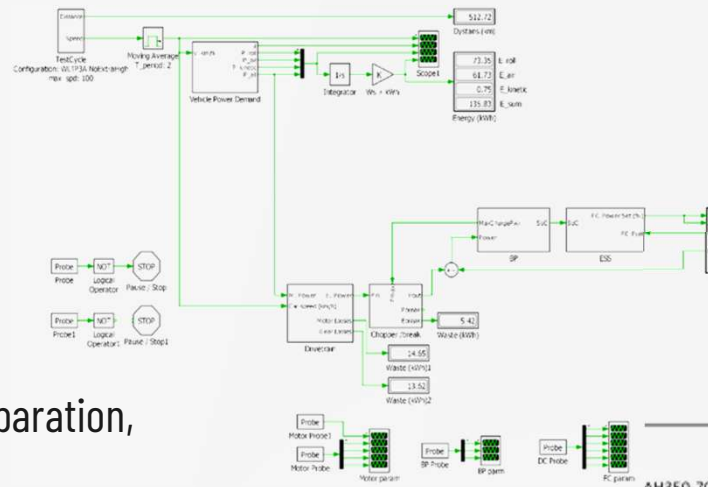


Services

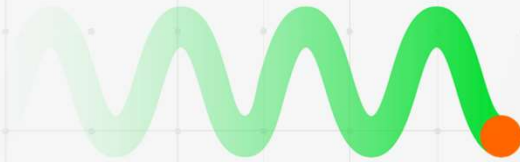
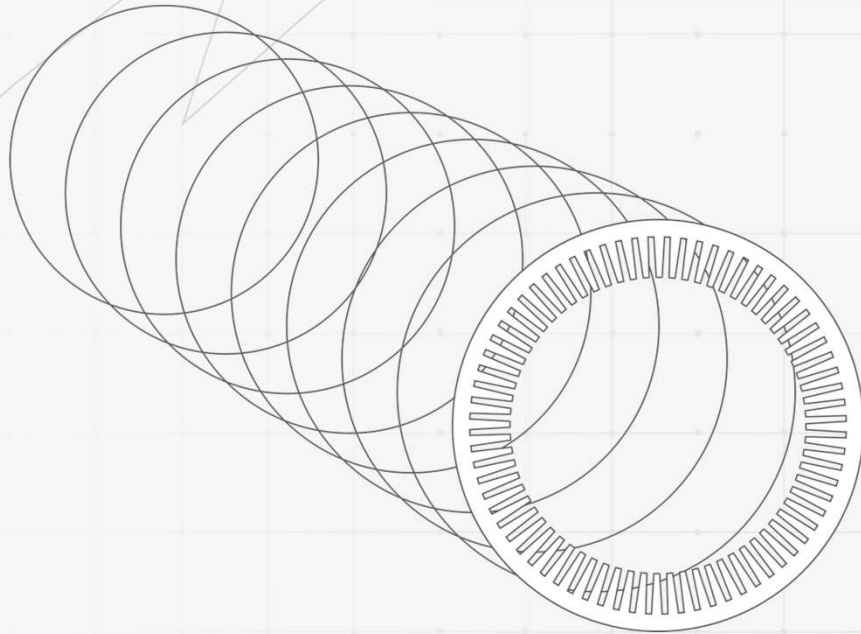


Service offer

- Simulation, construction, control, prototype preparation, production of: electric motors, power electronic converters, drivetrains, **fuel-cell systems**;
- Design tools: Ansys Maxwell, PLECS, Matlab, Altium Designer, Solidworks Flow Simulation, Autodesk Fusion;
- Diagnostic equipment: Tektronix, Fluke, Flir, Yokogawa;
- TI C2000 TMS320F28 Control platforms,
- Optimization of drivetrains, fuel cell systems and **patented**, max. efficiency control algorithms,
- Very competitive pricing.



PRODUCTS

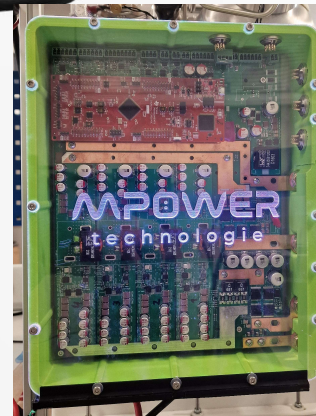


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Power electronics

- Fuel cell controllers and DC/DC converters in the power range of 2 - 40 kVA,
- Auxiliary converters,
- PDU units (DC - link power distribution with measurement and protection),
- industrial communication systems, HMIs.

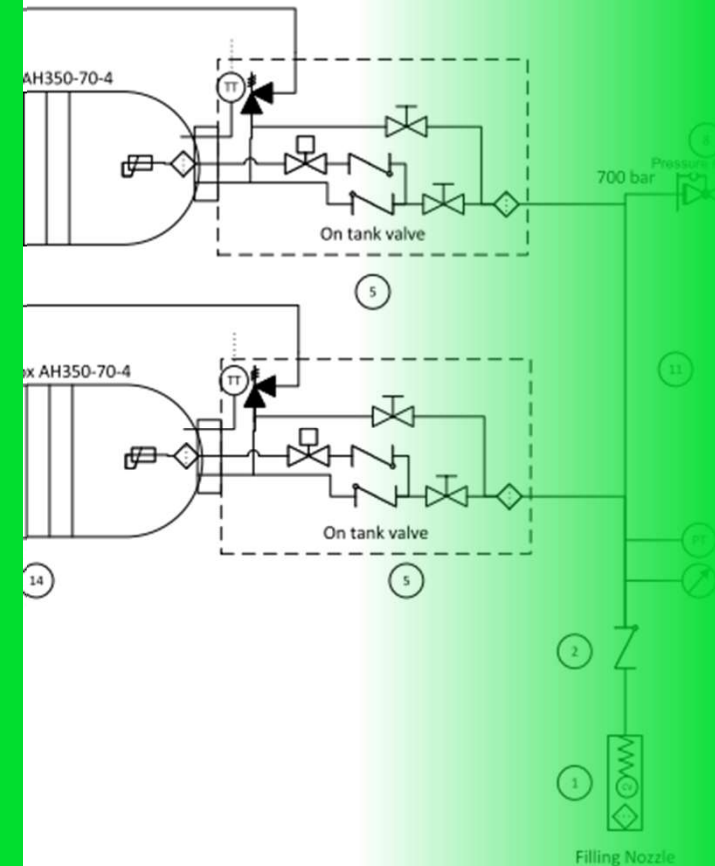
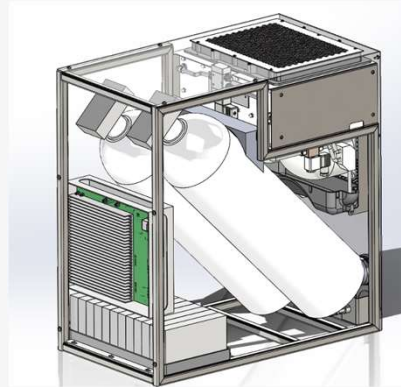
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Hydrogen/electric E-PTO systems

- Complete hydrogen/battery systems – including the design phase for specific applications (power, hydrogen volume and pressure etc.),
- Also as retrofitting systems for existing vehicles and applications,
- For liquid and air cooled PEM fuel cells.

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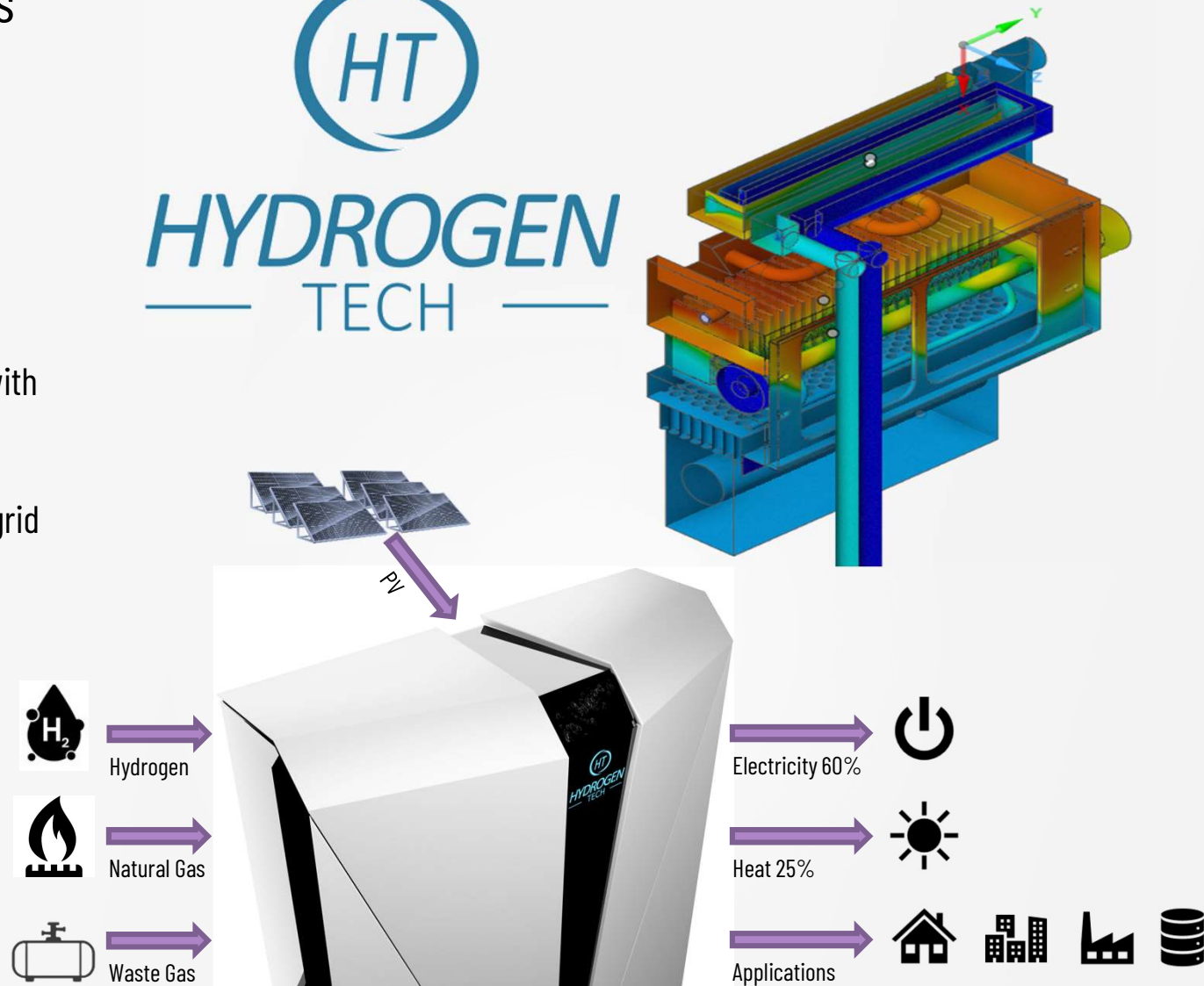


Hydrogen/electric E-PTO systems

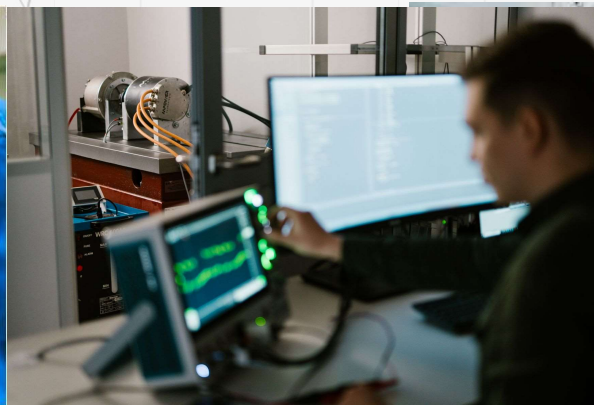
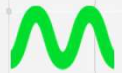
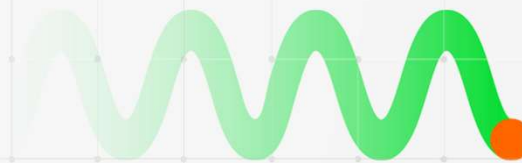
- Stationary mCHP based on SOFC (in cooperation with Hydrogen Tech),
- A complete system including hydrogen and solar grid feeding,
- For stationary applications

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HT
HYDROGEN
TECH



The infrastructure

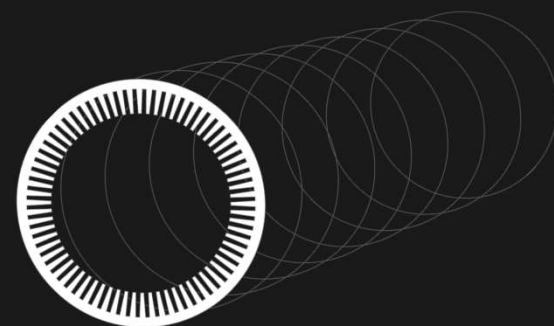


Normal Mode Peak Over Scaling Line Filter Time Integ: Reset

Urms1	13.079 v	U+pk1	19.084 v
Urms2	12.949 v	U+pk2	18.914 v
Urms3	13.166 v	U+pk1	19.084 v
Urms2A	13.065 v	Speed	1.0001 krpm
U1 (1)	13.061 v	ΔU1 rms [UrsA]	22.505 v
U2 (1)	12.954 v	ΔU2 rms [UstA]	22.605 v
U3 (1)	13.150 v	ΔU3 rms [UstA]	22.619 v
USA (1)	13.055 v		44.096 mWb

Update 10 (1 sec) 2021/08/18 12:47:20





WE DRIVE REVOLUTION

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