



Flameless Combustion Microturbines



The European Regional Development Fund and Wallonia invest in your future.
Under grant agreements; No. 1910237 & No. 8289.

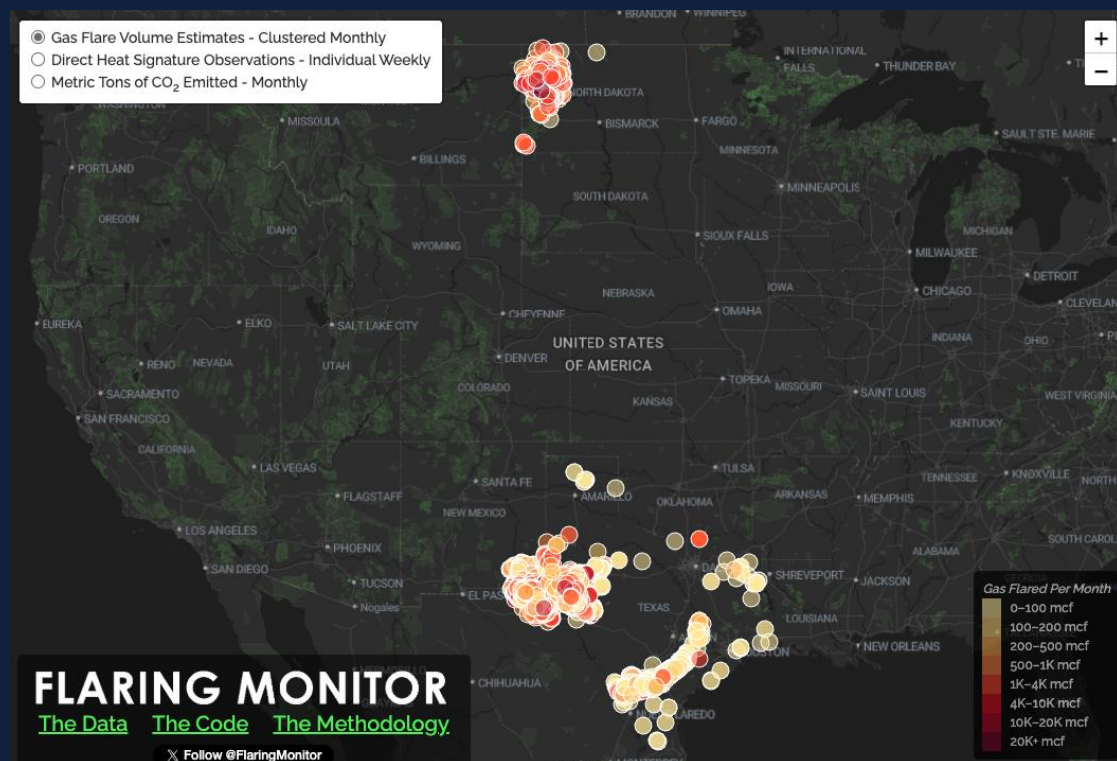


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CHALLENGE: Venting or flaring CH₄ has a hug GHG impact

| Source | Methane emitted | CO ₂ -equivalent (*) | Share of global CH ₄ |
|---|----------------------------------|-------------------------------------|---------------------------------|
| Oil & gas sector (venting + flaring) | ≈ 80–100 Mt CH ₄ / yr | 2.2–2.8 Gt CO ₂ e / yr | ~25 % |
| Landfills & waste disposal sites (2023) | ≈ 70–80 Mt CH ₄ / yr | ≈ 1.9–2.2 Gt CO ₂ e / yr | ~20 % |
| Agriculture (mainly enteric fermentation) | ≈ 140 Mt CH ₄ / yr | 3.9 Gt CO ₂ e / yr | ~40 % |

(*) (GWP = 28)



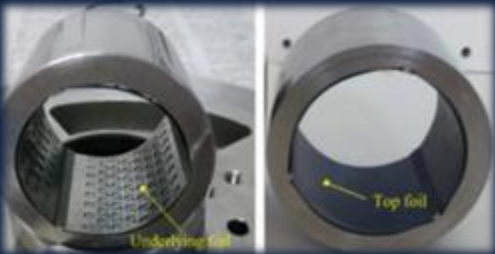
SOLUTION:

The M10 converts any associated gas into clean electricity and heat



ULTRA COMPACT TURBOGENERATOR WITH AIR FOIL BEARINGS

Simple, robust, low maintenance

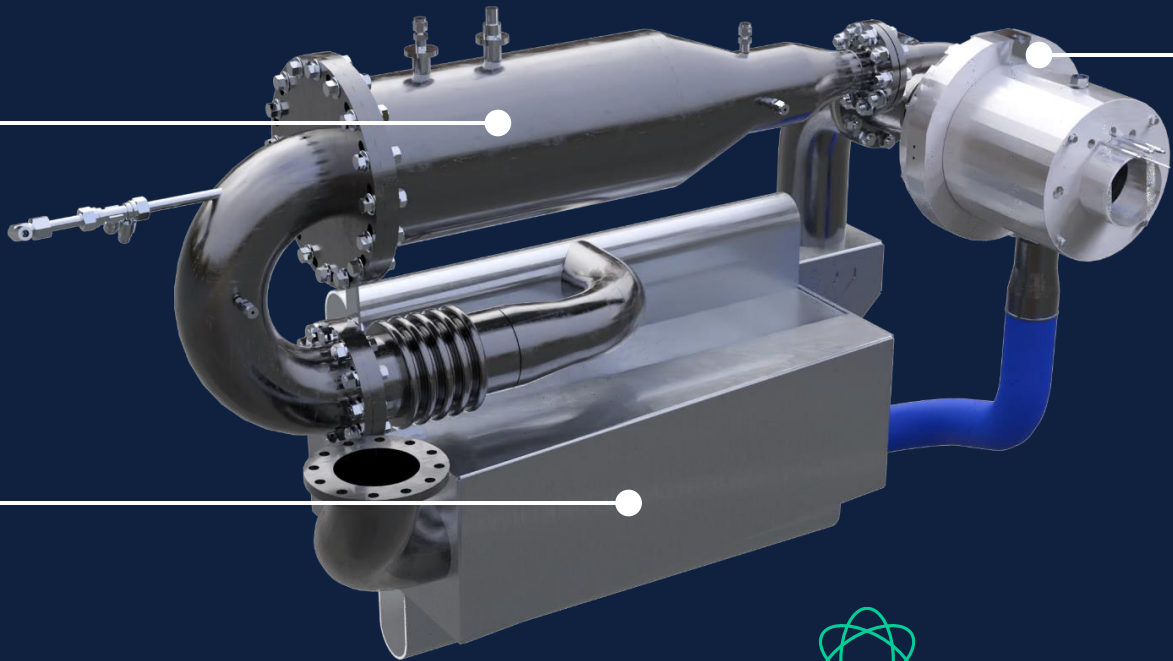


FLAMELESS COMBUSTION

Low emissions (NO_x), multi-fuel

HIGH-TEMP RECUPERATOR

Diffusion bonded, high corrosion resistance, thermal shock resistant, low cost design



Fuel agnostic
(high to low LHV)



Ultra Low emissions
(NO_x, No methane slip))



Low maintenance
(no lubricant)



5

TOLERANT TO HIGH H₂S CONTENT (10 000 PPM)

TARGET MARKETS

1. Oil & Gas: methane mitigation for small oil wells (<200 m³/day)
2. Compressor stations fugitive gas abatement
3. Biogas valorisation: landfill & farming waste gas

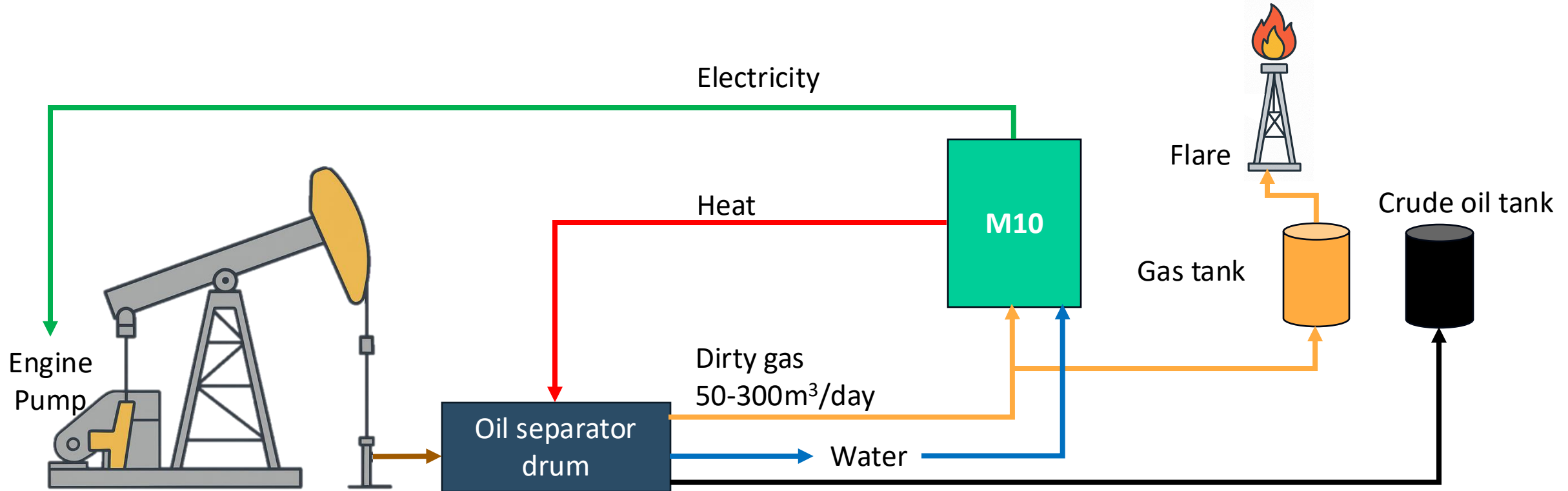


| Region | Oil wells (<200 m ³ /day gas) | Share of Total | Comment |
|---------------|--|----------------|---|
| North America | 1.200.000 | 72,33% | Shale decline, heavy oil |
| Asia | 240.000 | 14,47% | Mature conventional |
| Russia & CIS | 120.000 | 7,23% | Aging Siberian fields |
| Latin America | 70.000 | 4,22% | Heavy oil (Venezuela) |
| Africa | 15.000 | 0,90% | Inland low-GOR fields |
| Europe | 8.000 | 0,48% | Depleted fields |
| Middle East | 5.950 | 0,36% | Mature low-GOR zones, ~15,000–20,000 on-shore wells |
| TOTAL | 1.658.950 | | |

Market size: multi-billion € (*) global opportunity

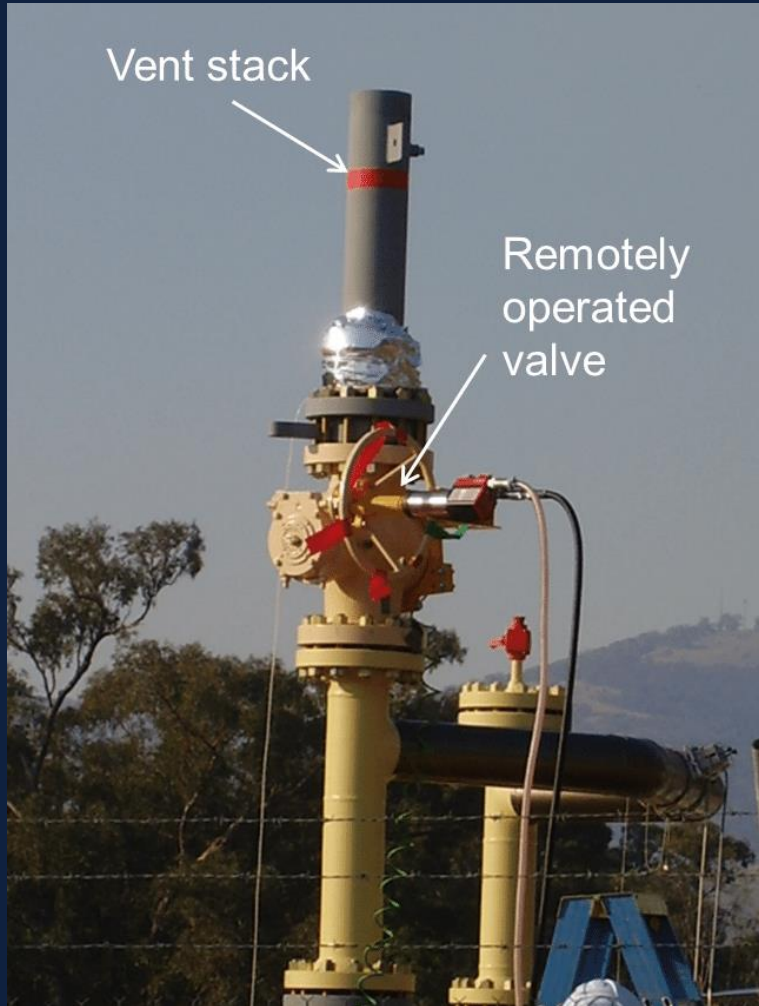
> 1 000 000 sites at 60 KEUR

ASSOCIATED GAS RECOVERY IN OIL WELL



1. Minimal raw gas treatment (H_2O , H_2S up to 10 000 ppm)
2. Well adapted for small decentralized oil/gas wells
3. Input: 50kWh (eq. Nat. Gas) → Output: 10 kWh (elec.), up to 35 kWh (heat)

VENTED GAS CONVERSION FOR TSO

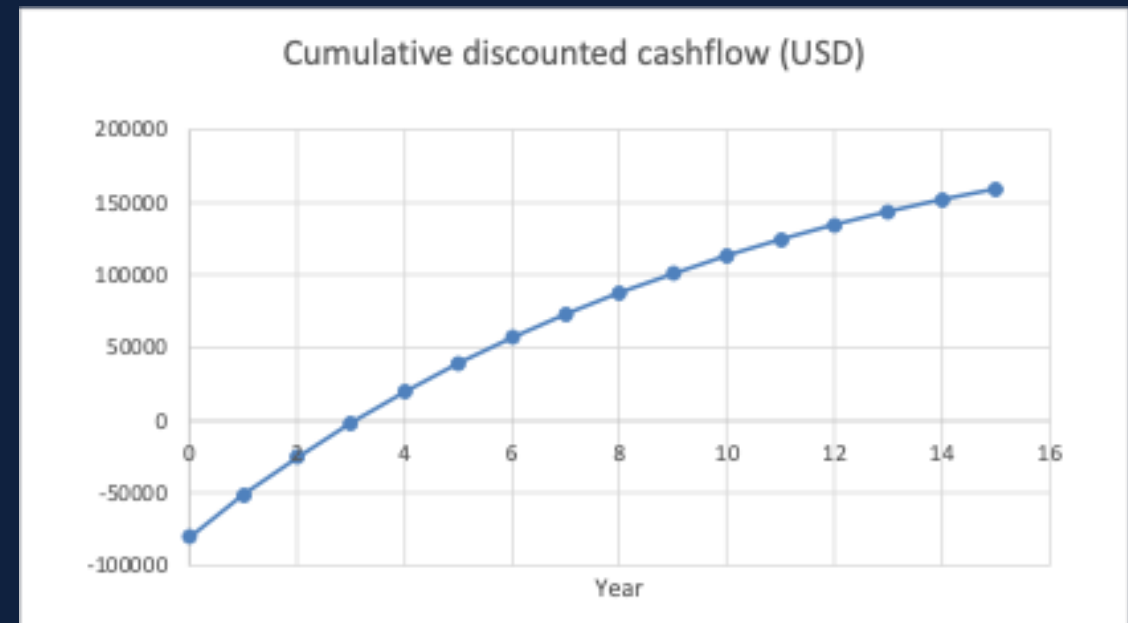


USE CASE ROI:

M10 produces local electricity/heat & carbon credits (UNFCCC CDM AM0037)

| Parameter | Value | Unit |
|--|---------------|-------------------------------------|
| Site / Project Name | Medco Onshore | - |
| Gas flow | 5 | Nm3/h |
| Gas Lower Heating Value (LHV) | 38 | MJ/Nm3 |
| Gas CNTP density | 0,74 | kg/m3 |
| Capacity factor (Operating hours per year) | 7000 | h/year |
| Electricity price (equivalent) | 140 | USD/MWh |
| Heat value | 30 | USD/MWh(th) |
| CAPEX - M10 | 60000 | USD |
| CAPEX - Balance of Plant (BOP) | 15000 | USD |
| CAPEX - Gas cleanup system | 5000 | USD |
| OPEX (as % of CAPEX) | 6,12 | % |
| Lifetime | 15 | years |
| Discount rate | 10 | % |
| Carbon credit value | 30 | USD/tCO ₂ e |
| Venting (1) flaring (0.1) | 1 | |
| Avoided CH ₄ emissions | 26,0 | tCH ₄ /year |
| CO ₂ e factor (1 tCH ₄ = x tCO ₂ e) | 27,9 | tCO ₂ e/tCH ₄ |
| Labor cost partner | 70 | USD/hour |
| EUR/USD rate | 1,2 | |

| Indicator | Value | Comment |
|------------------------|--------|--|
| NPV (USD) | 159106 | Net Present Value at discount rate from Inputs (adds Year 0 separately). |
| IRR (%) | 39% | Internal Rate of Return on full cashflow including Year 0. |
| Payback period (years) | 3 | First year when cumulative cashflow turns positive. |
| IRR/WACC | 2,8 | project IRR ≥ 1.5–2× WACC is typically compelling |



USP

- ✓ Micro gas turbines: well known technology for Oil & Gas associated gas conversion and industry CHP
- ✓ No micro gas turbine available for low gas consumption (< 65 kW)
 - Capstone: C65 – 65kW electric production
- ✓ Unique Flameless Combustion guarantess **ultra-low Nox** and **no methane slip**
- ✓ Oil-free design with gas foil bearings for low maintenance, once a year service
- ✓ Compact footprint
- ✓ Higher efficiency than Stirling engines
- ✓ BOM cost reduction roadmap → competitive pricing

TECHNOLOGY STATUS

- Technology Readyness Level 6 reached
- 10 industrial pilots in contracting phase
 - PTTEP (Thailand), PETERMINA & MEDCO (Indonesia), SINOPEC (China), PETROBRAS & QUATAR ENERGY (Brazil), ATCO (Canada), PDO (Oman), Fraunhofer (D), INAGRO (B), ...
- TRL 7 within 12 months



Business model

1. Go-to-market: PoC → industrial roll-out

2. Service partners model

- Manufacturing by MITIS through its own supply chain
- Sales to final customers by partner responsible for installation, commissioning, services

3. Technology Licensing

- Base technology licensing generating royalties (bearings, etc)

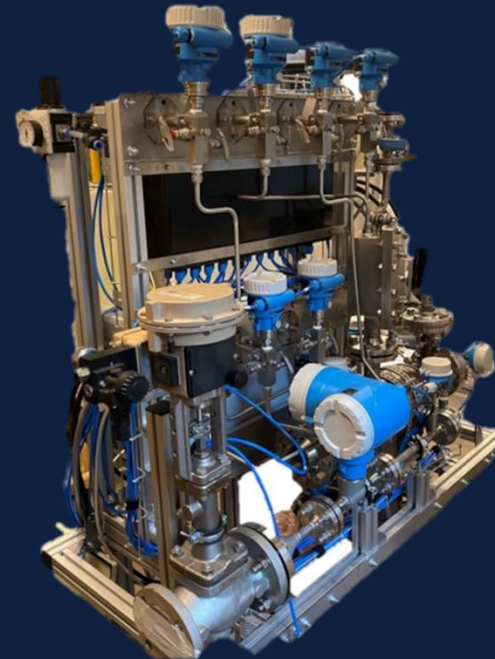
5 distribution
agreements in
discussion

Sales strategy

1. Attend Top 5 major events in O&G engineering, ex: Gastech, OTC ...
2. Establish links with major O&G production companies with emphasis on North America (Canada), Asia
3. Push for PoC → roll-out
4. Establish service partners (with established business in O&G) in all major target countries

Unique Technologies → licensing + services

- Flameless combustion → Ultra Low-Nox, fuel flexible
 - Industrial burners
 - Clean combustion: (ethanol combustion ARAMCO)
- Gas foil bearings
 - Special applications : (SAFRAN, LH2)
- High – speed turbomachinery design
 - Turbomachine for third parties (STELLANTIS)
 - Cryogenic applications (GTT, Wärtsilä)
- Integration, EMS, control, PCB
 - Fuel Cell Control Unit (ESA)
- High-Temperature Heat Exchangers



Profit & Loss

- Equity raise of 3-5 MEUR in 2026
- Continuous and increase of activity services in high-speed turbomachinery developments for tiers
- Develop a M40 asap

| | | | | | | Scaling up to mass production |
|--|-------------|-------------|-------------|-----------|-------------|-------------------------------|
| | 2025 | 2026 | 2027 | 2028 | 2029 | |
| Units sold | 1 | 7 | 24 | 65 | 195 | 585 |
| Total Sales / Revenue | 822 025 | 1 140 875 | 2 355 761 | 4 875 902 | 12 485 299 | 35 699 983 |
| Total Direct Margin | 103 042 | 20 562 | 312 289 | 1 607 136 | 4 965 763 | 16 269 983 |
| R&D expenses (gross) | - 1 644 459 | - 1 536 138 | - 1 300 096 | - 534 480 | - 373 046 | - 349 209 |
| R&D expenses (net of grants and cap.) | - 909 256 | - 652 677 | - 479 343 | - 385 730 | - 309 036 | - 288 195 |
| Sales & Marketing expenses (Net of grants and cap.) | - 153 723 | - 240 916 | - 492 758 | - 703 108 | - 1 019 647 | - 1 329 051 |
| General & Administr. expenses (Net of grants and cap.) | - 213 850 | - 377 992 | - 492 091 | - 625 236 | - 792 396 | - 887 299 |
| EBIT | - 1 173 787 | - 1 292 147 | - 1 151 903 | - 106 938 | 2 844 684 | 13 765 439 |
| Financial expenses | - 20 035 | - 24 042 | - 28 851 | - 34 621 | - 41 545 | - 49 854 |
| Result before taxes | - 1 193 822 | - 1 316 189 | - 1 180 754 | - 141 559 | 2 803 139 | 13 715 585 |
| Taxes | 16 908 | 16 908 | 16 908 | 16 908 | 280 314 | 3 428 896 |
| Net result | - 1 176 914 | - 1 299 281 | - 1 163 846 | - 124 651 | 2 522 825 | 10 286 688 |
| CASH-FLOW | | 2 550 247 | 1 426 605 | 558 777 | 1 176 021 | 8 958 264 |
| CASH at Period end | 389 275 | 2 939 522 | 1 512 917 | 954 140 | 2 130 161 | 11 088 424 |

Our vision

Pioneering innovative decentralized energy solutions to reduce GHG by leveraging high-speed turbomachinery technologies



Founded in 2012. Private and public investors. 4.5 MEUR equity & 7 MEUR subsidies.



Management with Deep Tech Expertise & Proven Track Record in Scaling Technologies



Skilled technical team (18) of PhD, engineers and technicians



Strong EU R&D partners



Strong EU Supply-chain

IMPACT



Methane is 84x more potent than CO₂ (20-year GWP). Reducing fugitive emissions directly slows global warming.



Capturing methane and converting it into energy provides a cleaner alternative to flaring/venting and displaces fossil fuels.



Methane drives ground-level ozone formation, worsening respiratory and cardiovascular diseases.



Methane-driven ozone reduces crop yields (e.g. wheat, soy, maize, rice). Mitigation protects agricultural productivity.



Lowering methane leaks improves efficiency and resource use in energy/industrial systems.



Methane recovery creates new clean-tech jobs, service opportunities, and investment in green industries.



New technologies (e.g. microturbines, methane-to-power units) modernize infrastructure and foster innovation.



Reduced ozone improves ecosystem health, plant growth, and biodiversity resilience.

Exit Strategy

MITIS is a highly attractive acquisition target for OEMs and industrials seeking:

- Differentiation in distributed clean power, cryogenics, or process heat
- In-house access to oil-free turbomachinery, foil bearings, or flameless combustion IP
- Plug-and-play hardware for methane mitigation, net-zero industrial goals, and marine decarbonization

Potential acquirers include:

Wärtsilä, Siemens Energy, Johnson Controls, Caterpillar/Solar Turbines, Atlas Copco, MAN Energy, Baker Hughes, Technip, Doosan

Why Invest in MITIS

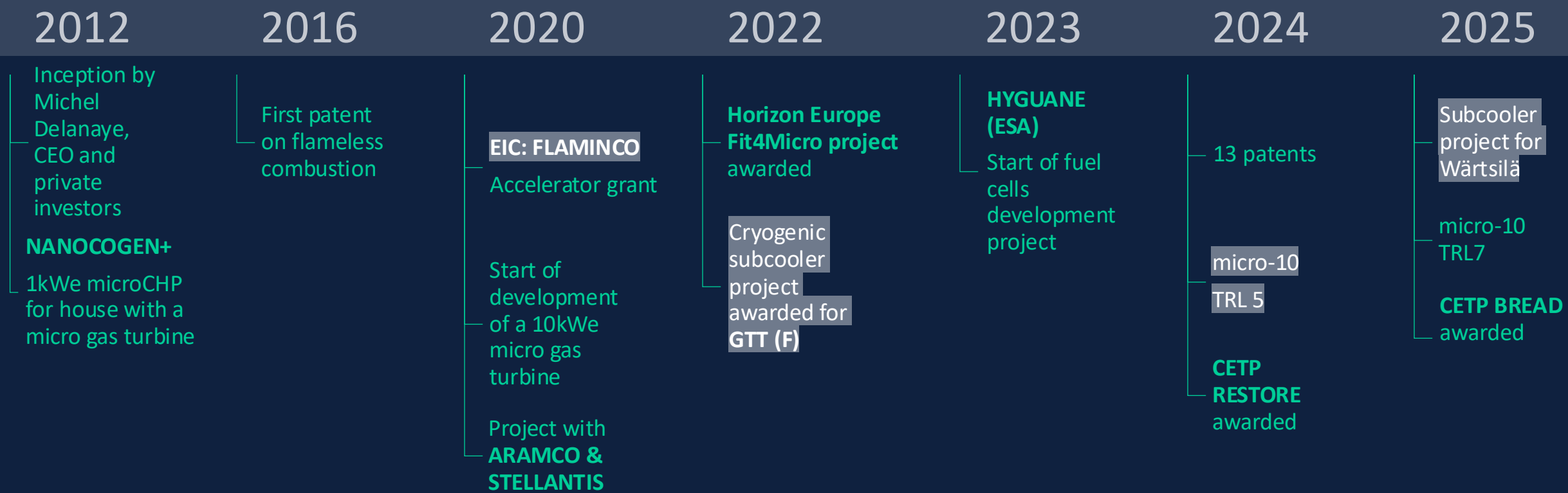
- **Unique IP platform:** 13 patents (5 granted) e-turbo, flameless combustion, recuperators, and integrated turbomachinery electronics
- **Technology readiness:** TRL 6+; certification and TRL 7 planned within 9–12 months
- **Fuel flexibility:** Works with vented gas, process gas, biogas, hydrogen blends, and liquid fuels
- **Capital-efficient scaling:** BOM cost-down through Asian partners; IP licensing to avoid CapEx-intensive production
- **Multiple sector fit:** Clear addressable markets in methane mitigation
- **OEM interest & traction:** Active engagements in Europe, Asia, and Latin America

Thank you

Dr Michel DELANAYE, CEO

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Strong track record as tech developer



Cap Table

| | CAT | Nbre de parts | % Parts |
|---|-----|---------------|---------|
| Michel DELANAYE | A | 1 325 | 28,8% |
| Véronique DISTEXHE | A | 10 | 0,2% |
| TBIZ | A | 782 | 17,0% |
| Michel MILECAN | A | 268 | 5,8% |
| Jean-Pierre DELWART | A | 368 | 8,0% |
| C3ICI (Emeric D'ARCIMOLES) | A | 371 | 8,1% |
| NOSHAQ Energy SA | B | 924 | 20,1% |
| WALLONIE ENTREPRENDRE SA (anc. SRIW WING) | B | 203 | 4,4% |
| KAZOKU (Famille Allaer) | A | 202 | 4,4% |
| Coccinelle (Famille Martial) | A | 152 | 3,3% |
| | | 4 605 | 100% |