

The background of the slide is white and features several realistic water droplets of various sizes. Some droplets are at the top left, some are in the middle right, and others are at the bottom. They have highlights and shadows, giving them a 3D appearance.

M Burner

The Oxyhydrogen Revolution

The next generation of domestic heating: Zero emissions, high efficiency, total safety

The Heating Industry is Trapped



Condensing Gas Boilers

High efficiency (**1.06**), but relies on fossil fuels. **High CO2 emissions.**



Heat Pumps

High theoretical efficiency, but performance collapses in low temperatures. **Hard to retrofit in older homes.**



Hydrogen Boilers

Clean emissions, but **low** overall efficiency and significant **safety risks** due to storage requirements.

The Market Needs “Something Else”: Low Cost + High Efficiency + Zero Pollution

The 'Something Else' is Here

M Burner is a revolutionary heating system based on two high-level patents.

Core Concept: An Oxyhydrogen (HHO) generator that produces gas from water and electricity in exact proportions.

The Promise: Transformation efficiency near unity (1:1) during generation, before combustion even begins.

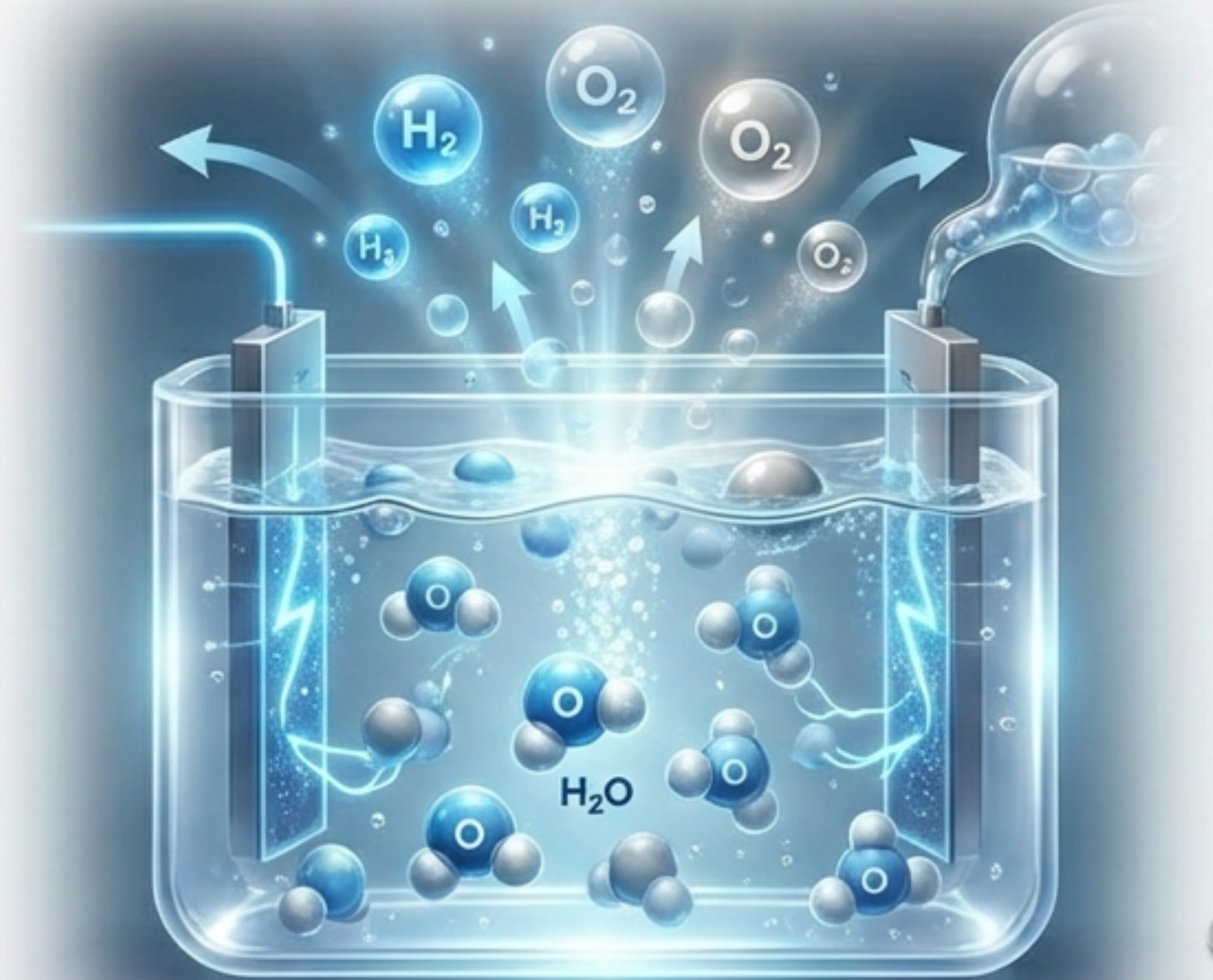


Step 1: High-Efficiency Generation

Input: Standard electrical current + Water.

Process: Electrolysis splits water into HHO (Oxyhydrogen) gas.

Thermal Gain: The generation process creates significant thermal power—almost equal to the electrical input. Efficiency reaches **near-unity (1:1)** prior to combustion.



Step 2: Combustion & Total Safety

- On-Demand Energy with Zero Storage

Direct Combustion: **HHO** is sent immediately to a patented direct-flame burner.

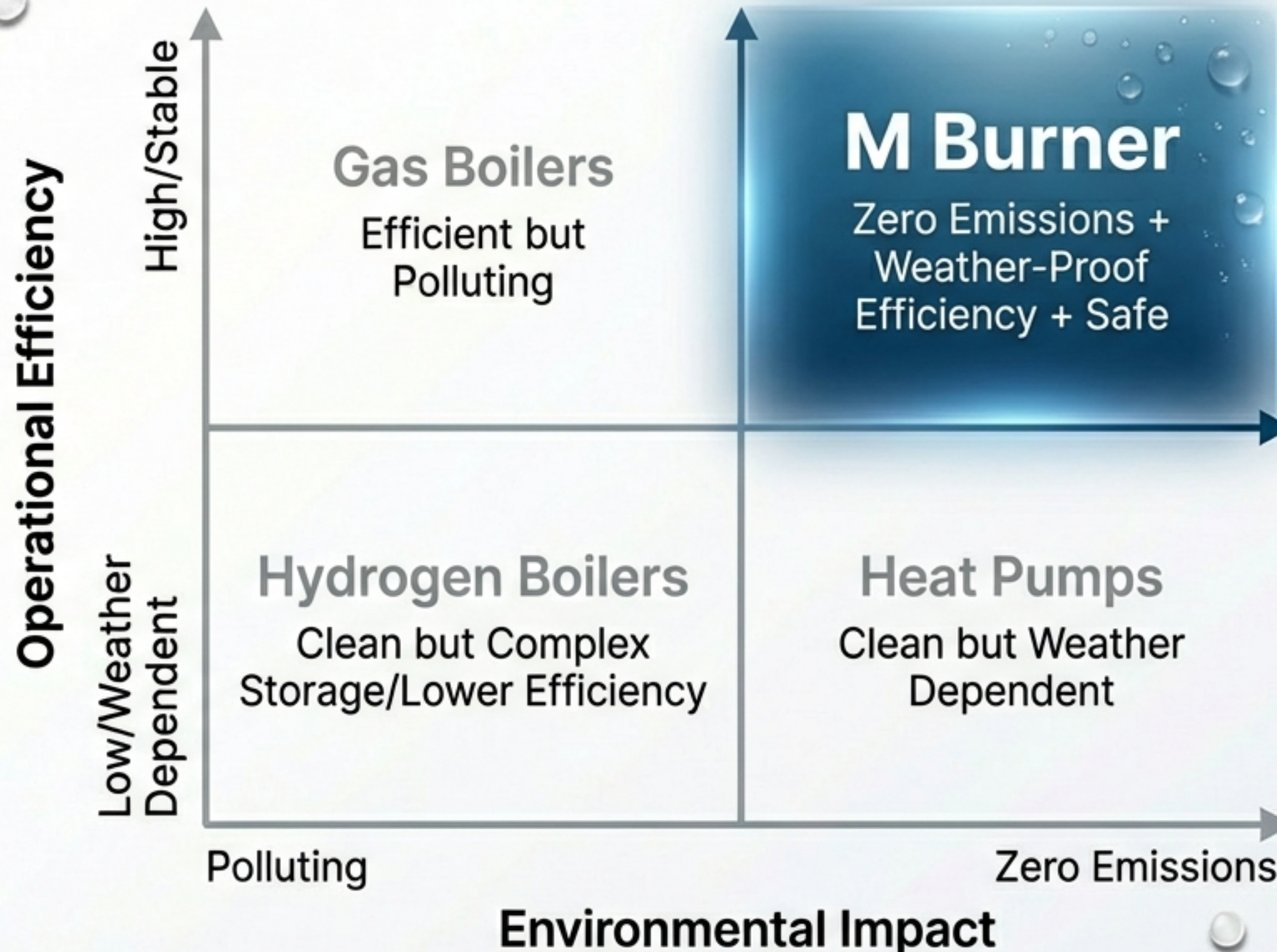
The Safety Revolution: No pressurized hydrogen tanks. No storage risks.

Just-in-Time: The system produces only the exact gas quantity needed for the flame. If power cuts, gas production stops instantly.

Total Efficiency: Combustion heat adds to generation heat, creating a **super-efficient** thermal output.

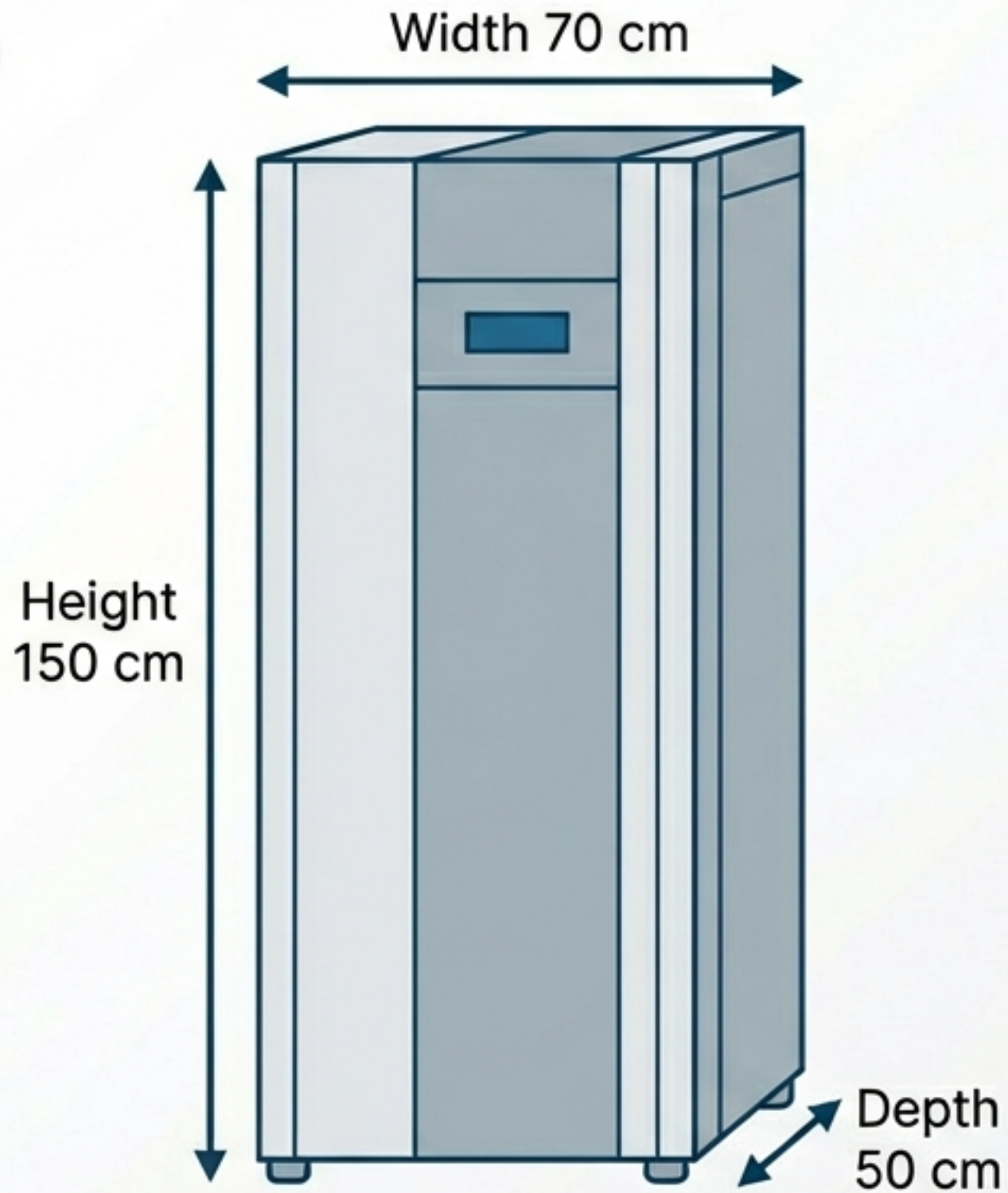


Occupying the Strategic Sweet Spot



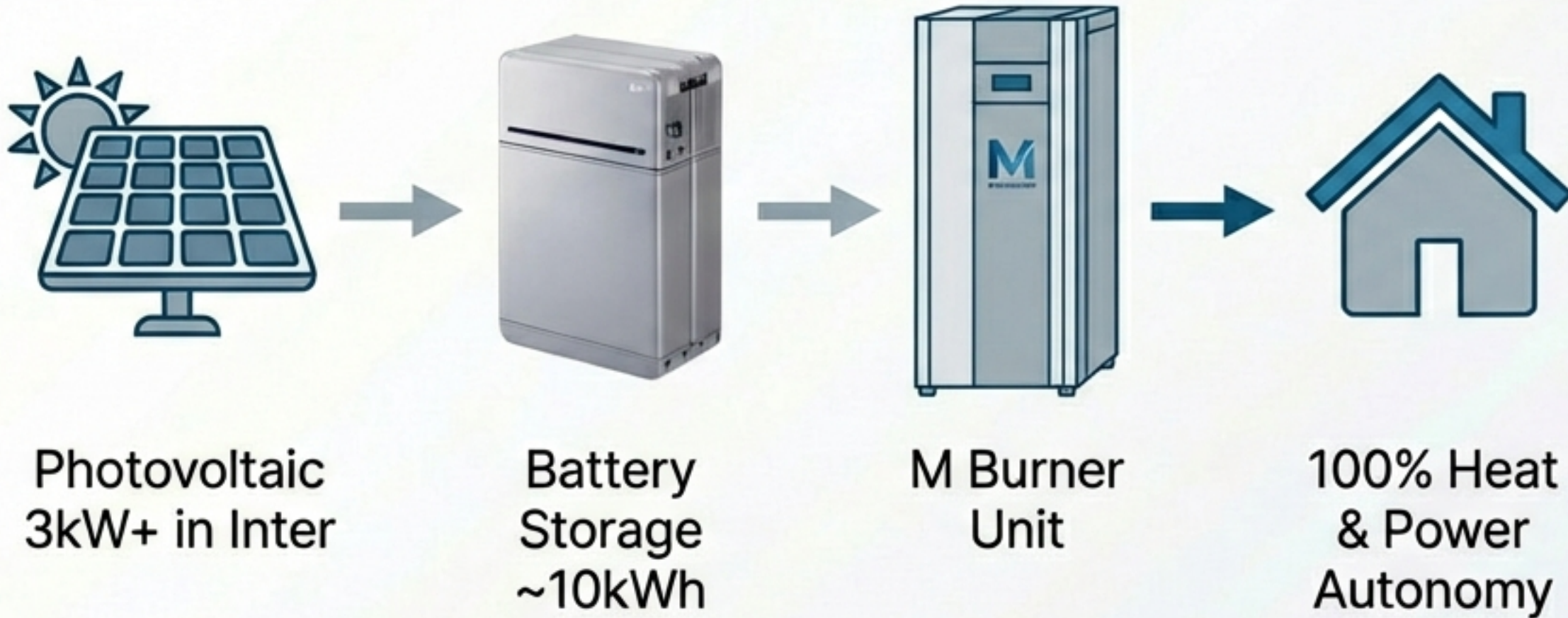
- **vs. Gas:** Eliminates CO2 emissions entirely.
- **vs. Heat Pumps:** Works at peak efficiency in freezing temperatures.
- **vs. Other Hydrogen:** Safer (no storage) and higher total system efficiency.

Built for the Modern Home



- Thermal Output: **10 kWp** (Sufficient for 80–100 sqm home)
- Dimensions: **70 x 50 x 150 cm** (Compact footprint)
- Power Input: **Variable 1.00 – 5.00 kW**
- Output: **Hot water for standard radiators or underfloor systems**

The Path to Energy Independence



M Burner is the heart of an autonomous home.

Combine with Solar and Battery storage to achieve complete independence from gas and electric grids.

Zero emissions (Water vapor only).

Validated Technology

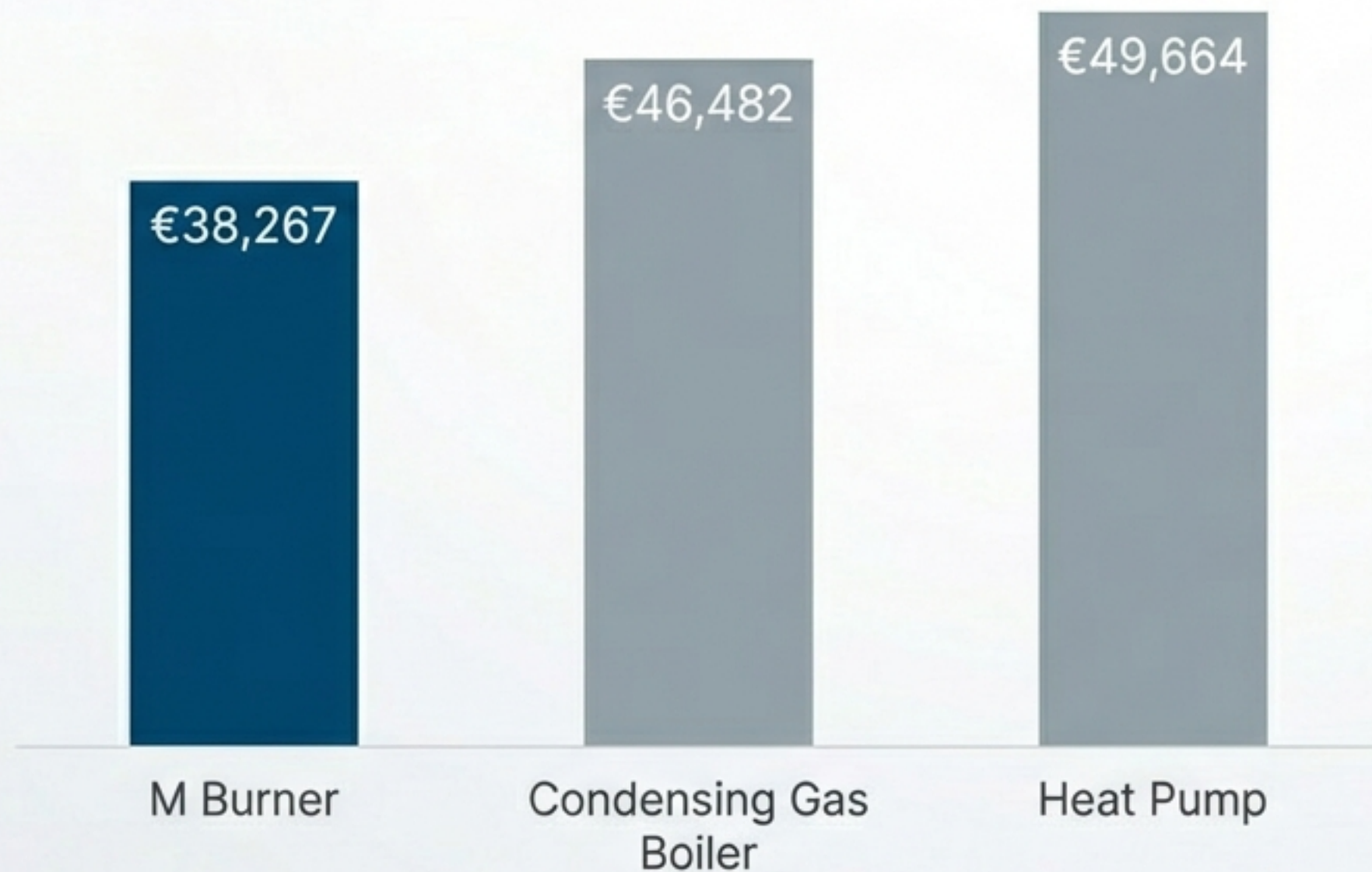


Second generation prototype.
Fully realized and tested in
Frosinone laboratories.

Ready for industrialization.

The Smartest Long-Term Investment

20-Year Total Cost Comparison
(Equipment + Consumption)



Based on discounted 20-year cost projections.

Key Insight: M Burner offers the lowest Total Cost of Ownership over the life of the plant—21% cheaper than gas and 30% cheaper than heat pumps.

The Revolution is Ready

Zero Pollution:
Only byproduct
is water vapor.

Total Safety: No
hydrogen
storage tanks.



Full Efficiency:
Works perfectly
in any weather.

Lowest TCO: The
most economical
solution.

M burner