

The background features a dark blue gradient with stylized, glowing green leaves on the left and a series of concentric, wavy lines in shades of blue and purple on the right. The company logo and tagline are centered in the middle.

nT-τao

Compact Fusion Power

Reshaping Global Baseload Energy

A New World, Enabled by New Energy



Imagine a future that is based on advanced autonomous industries and services.



Where AI, datacenters, and technology advance populations regardless of their location.



This future needs new baseload energy, quickly. Without relying on anyone else.



This future energy is Invisible, local, modular, and available everywhere, for everyone.



If Energy Will Not Move, Neither Will Humanity.

The New Enabling Energy

which energy source can enable this future?



It needs to be abundant, safe, clean, resilient, and always on.



It must be compact & distributed; wherever we need it. Wherever we go.



It must be mass-produced cheaply and fit a variety of scenarios and markets.



Must have a fast impact on humanity and on the planet. We need it asap.



The Solution – Fusion Energy



The final frontier of energy for humanity.
The holy grail.



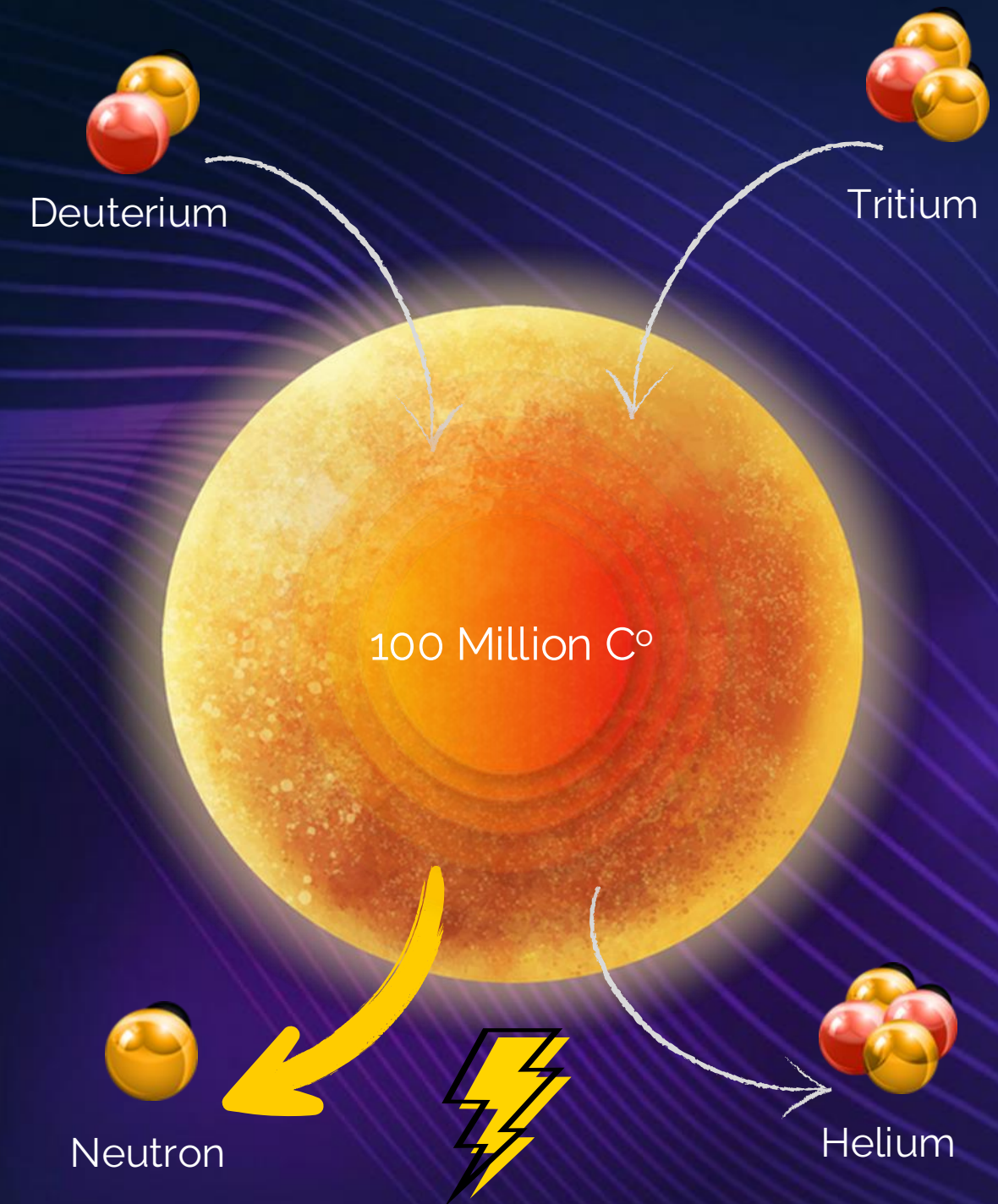
It's safer, cleaner, and more efficient than fission.



No proliferation or geopolitical issues.



Abundant fuel source: water and lithium.



The New World Energy Market



Risk Factors For Fusion



Confinement Technology.

Keeping plasma hot is extremely complicated.
Lends to Large machines, more difficult to build.



Heating Technology.

Hot plasma tends to dissipate over time.
Requires expensive large heating systems.



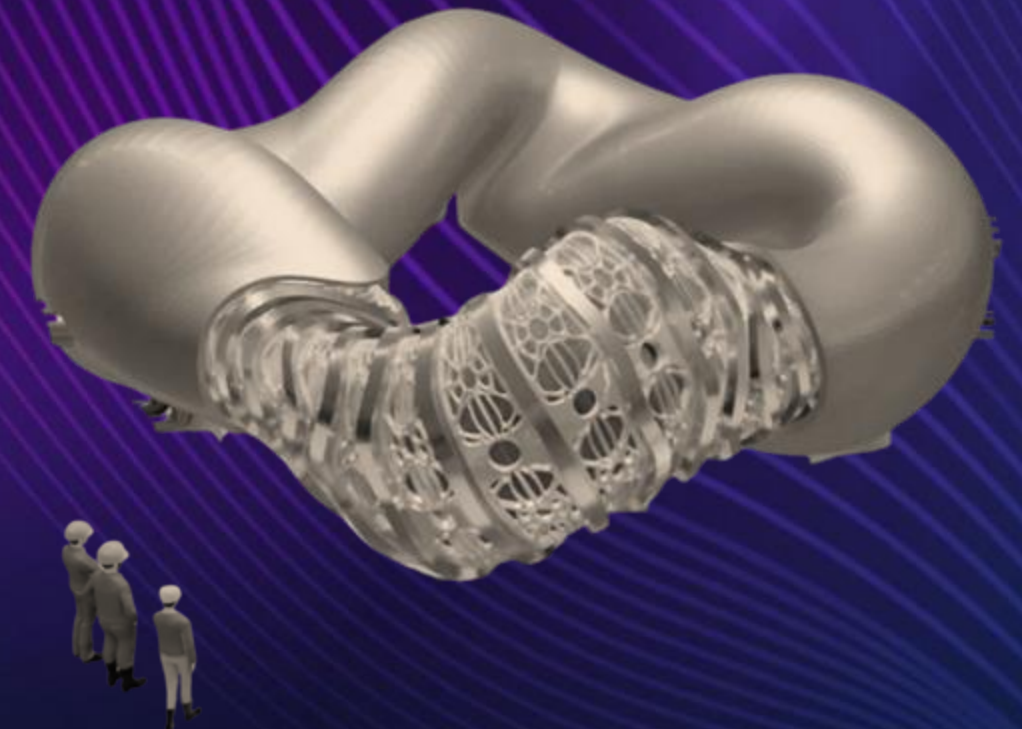
System Size.

Bigger is more expensive. Bigger is slower to
impact the market and requires grid connectivity.



Lowering Costs.

R&D costs of build and high costs of mistakes.
CapEx and OpEx need to be competitive.



TAO Energy Box

We're developing a compact **20MW** distributed baseload fusion power source.



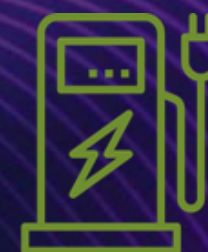
Datacenter
Power



Maritime &
Ports Power



> 10,000
Homes



EV Fleet
Charging



Off-grid &
Remote



1 X Industry
Heat & Power



Smart City
Application



Energy, Utility
Distribution



Small Island
Grid

nT-Tao De-Risking Strategy



Confinement Technology.

Choosing the most mature Magnetic Confinement (MCF) topology of the Stellarator.



Heating Technology.

Choosing the most efficient pulsed heating technologies for an efficient plasma regime.



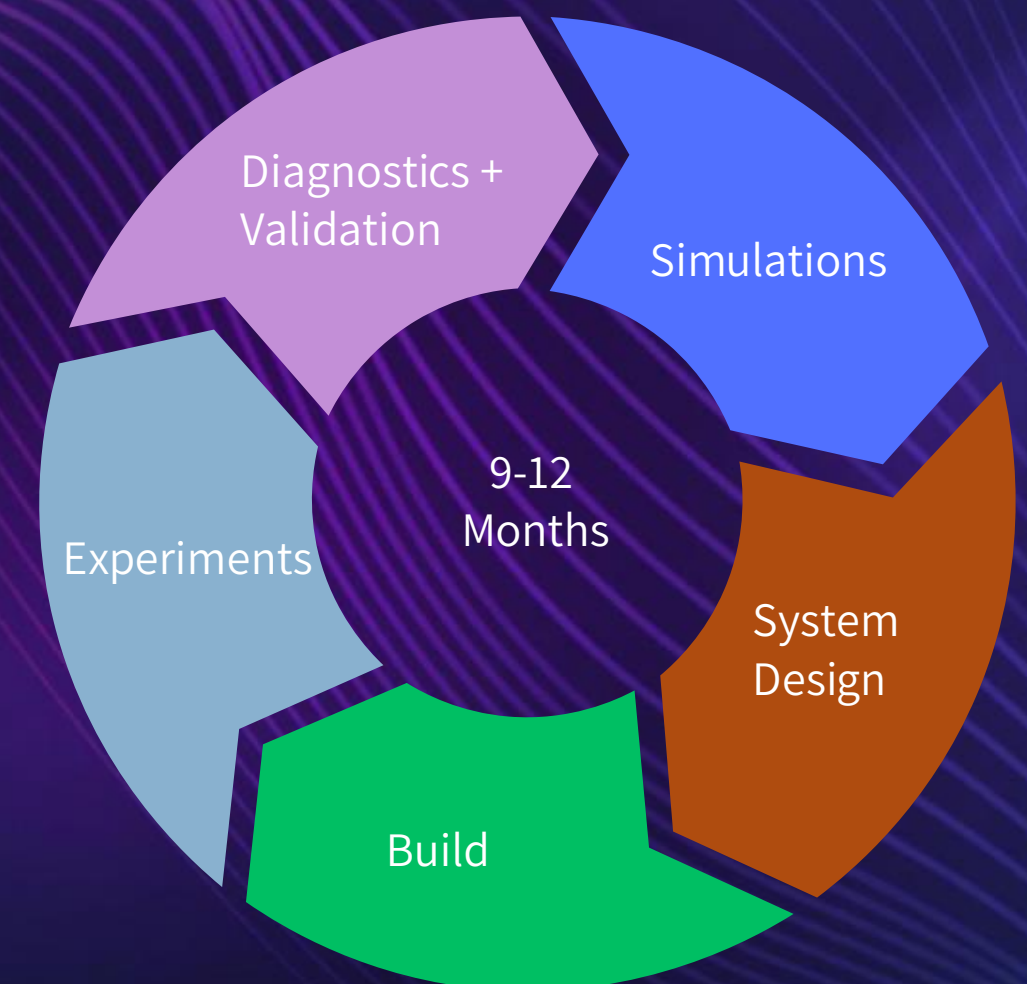
System Size.

Going compact enables overall faster and cost competitive system for market versatility.



Lowering Costs.

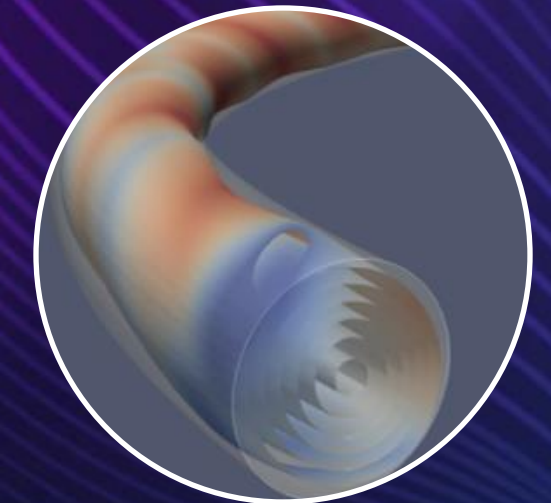
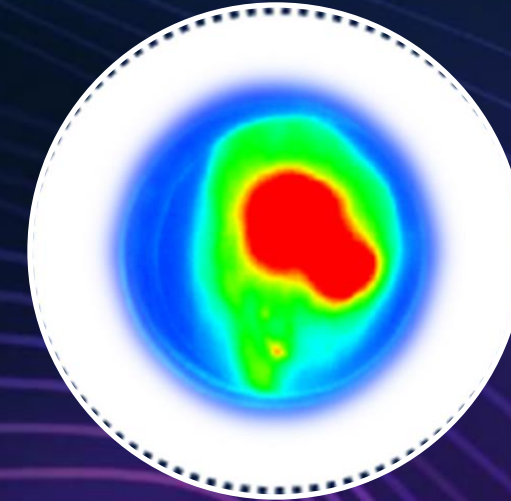
R&D Implementing a **rapid engineering cycle** of 9-12 months per iteration. Lower CapEx and OpEx !



Round A – Major Scientific Goals achieved

US\$ 28 M (+ US\$ 4 M Grants) Feb 2023

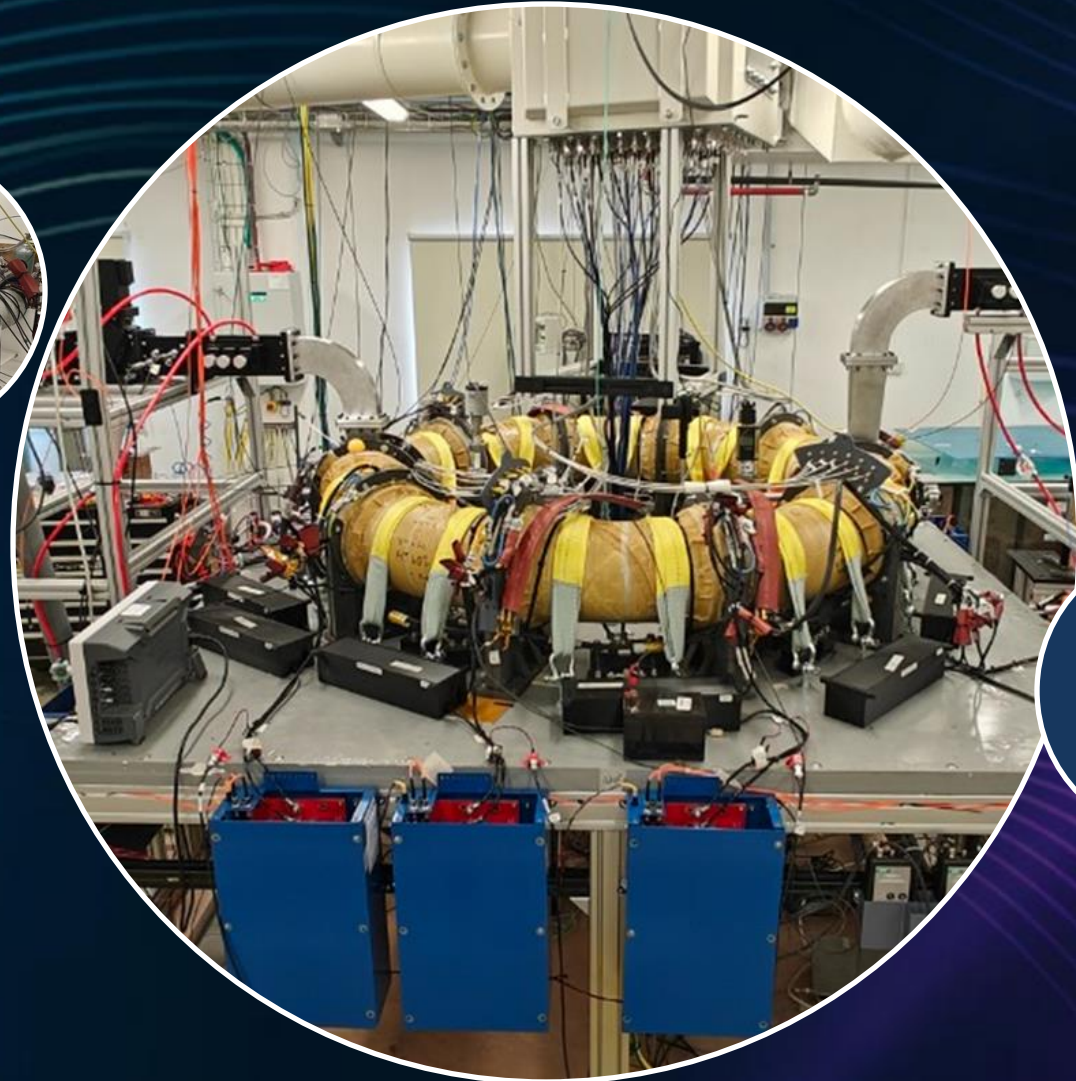
-  Confinement validation - Experimentally tested magnetic fields.
-  Heating technology - Proprietary pulse power architecture.
-  Stabilization test bench - HTS magnet for pulsed environment.
-  Advanced simulations & diagnostics capabilities.



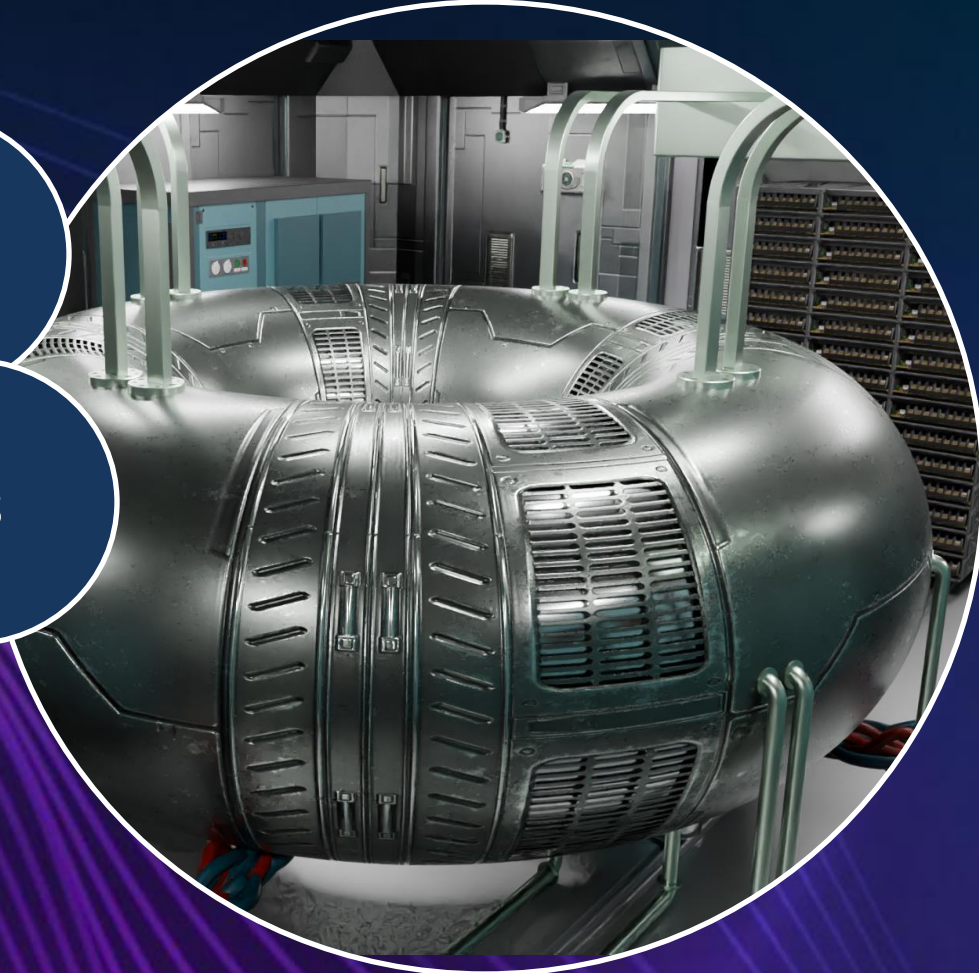
Major Engineering De-Risking



B1; Q3 2021.
Pulse heating



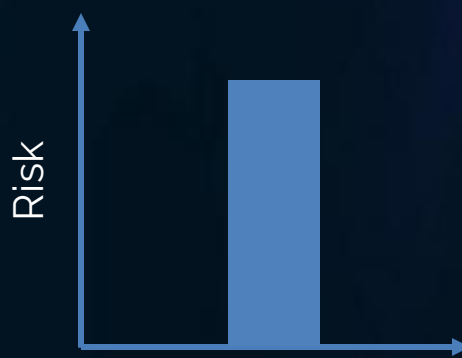
C2-A; Q4 2024.
Validated confinement, Integrated
proprietary pulsed power supply.



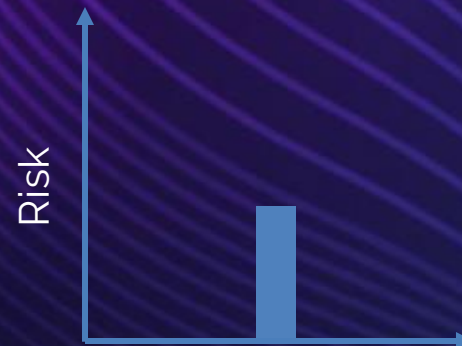
E1; 2029.
Final design and POC buildup.



Risk Levels



R&D



Engineering & Scale



Thank You

For further information and deeper dive

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