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EXECUTIVE SUMMARY · OCTOBER 2026

# Israel's Draft National Fusion Strategy at a Glance

In October 2026, Israel's Ministry of Energy and Infrastructure published the country's first national fusion strategy, a draft now open for public comment. Its core decision: Israel will not race to build its own commercial reactor. Instead, it will become a strategic **"Tier-2 Hub"**, an indispensable supplier of technologies and components to the global fusion industry.

## Why now

Fusion is moving from government labs to private companies, a shift that accelerated after the U.S. National Ignition Facility achieved ignition in December 2022. Private fusion companies had raised about $15.7 billion by mid-2026.

Global supply chains are forming now. Countries that don't take part early risk being shut out of a market that will be hard to enter later. Fast-rising electricity demand from AI data centers strengthens the case.

## Where Israel can lead

The strategy finds Israel's edge in dual-use technology developed in its defense and tech sectors, ready to be adapted for fusion now:

- **High-power lasers and electro-optics** for laser-driven (inertial) fusion
- **Power electronics and RF systems** for heating plasma in magnetic-confinement reactors
- **AI, simulation and cyber:** digital twins, real-time plasma control, secure plant operation
- **Precision engineering and vacuum systems** for reactor vessels

With further investment, Israel can also compete in tritium-breeding blankets and superconducting magnet design. Its SARAF accelerator at Soreq is among the world's best facilities for testing materials under neutron radiation.

## The recommended path

Of three options, the Ministry recommends a **National Fusion Research Center**: ₪0.5–1 billion (about $160–320 million) over 5–7 years, with:

- 2–3 public-private technology consortia
- Upgrades to national neutron (SARAF) and high-power laser facilities
- Milestone-based funding for companies, modeled on the U.S. program
- A new graduate track and programs to bring leading experts to Israel

## In every scenario

- **Building human talent:** postdoctoral fellowships, training at leading labs abroad and programs to bring leading experts to Israel
- A regulatory framework that treats fusion separately from fission, plus a regulatory sandbox
- Closer ties with ITER, EUROfusion, the U.S. DOE, Pax Silica and bi-national funds such as BIRD
- A national fusion roadmap for 2026–2035
- An annual Israeli-international fusion conference and investor pitch event

## What's next?

The draft is open for public comment before the government decides which option to adopt and fund: a first national direction for fusion, and an open door for international partners.

**About MILE.** MILE assisted the Ministry of Energy and Infrastructure in writing the strategy. MILE advises governments, companies and investors on energy, dual-use technologies and the partnerships that connect Israel and the United States. To explore partnerships and opportunities across Israel's fusion and supply-chain ecosystem, contact **Morielle Lotan**, Founder & Managing Director · morielle@mile.earth

Source: Ministry of Energy and Infrastructure, *Strategy for Advancing Nuclear Fusion in Israel*, draft for public comment, October 2026. Full strategy (Hebrew) · CTech coverage. This summary is MILE's own and is not an official Ministry document. Exchange rate ₪3.11/$, Oct 22, 2026.