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## CFS's path to commercial fusion energy:

• 2018: Company founded based on decades of MIT fusion research

## SPARC is 'ITER-like in performance

- 2020: Published a series of peer reviewed publications in the Journal of Plasma Physics that verifies
  SPARC will achieve net energy from fusion
- 2021: Started construction on campus that will host the SPARC building, a manufacturing facility, and company headquarters
- 2021: In collaboration with MIT, built and successfully demonstrated groundbreaking high temperature superconducting magnets, the strongest of their kind and the key technology to unlock commercial fusion energy

ARC is 'DEMO-like' in performance

2025: SPARC achieves commercially relevant net energy from fusio

16 Lopes Cardozo – Klvl – 8 December 2021

Early 2030s: First fusion power plant, called ARC, is completed

"The world is ready to make big investments in commercial fusion as a key part of the global energy transition. This diverse group of investors includes a spectrum of capital from energy and technology companies to venture capitalists, hedge funds, and university endowments that believe in fusion as a large-scale solution to decarbonize the planet," said CFS CEO Bob Mumgaard.

## The EUROfusion roadmap:

- 2006 ITER agreement signed
- 2026 ITER first plasma
- 2038 ITER full performance (dt)
- 2043 Go-ahead DEMO
- 2055 Start commissioning DEMO
- 2060 DEMO electricity to grid
- 2070 Gen1 fusion construction completed
  - TU/e





















