



FORGING OUR FUTURE WITH FUSION

SWEDISH FUSION & FISSION DAY
ERIK ODÉN, AUG 2025

THE FUSION PROMISE

**ECONOMIC
DEVELOP-
MENT**

**UNLIMITED
FUEL**

**ELECTRICITY
AND HEAD**

**COMPETITIVE
COST**

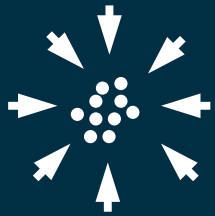
SAFE

**BASE-LOAD
POWER**

**SCALEABLE
CAPACITY**

The challenge: The important triple product!

THERE ARE SEVERAL COMBINATIONS MEETING THE REQUIREMENT FOR FUSION



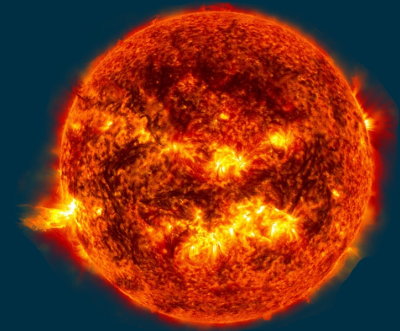
High plasma density
(n)



High temperature
(T)

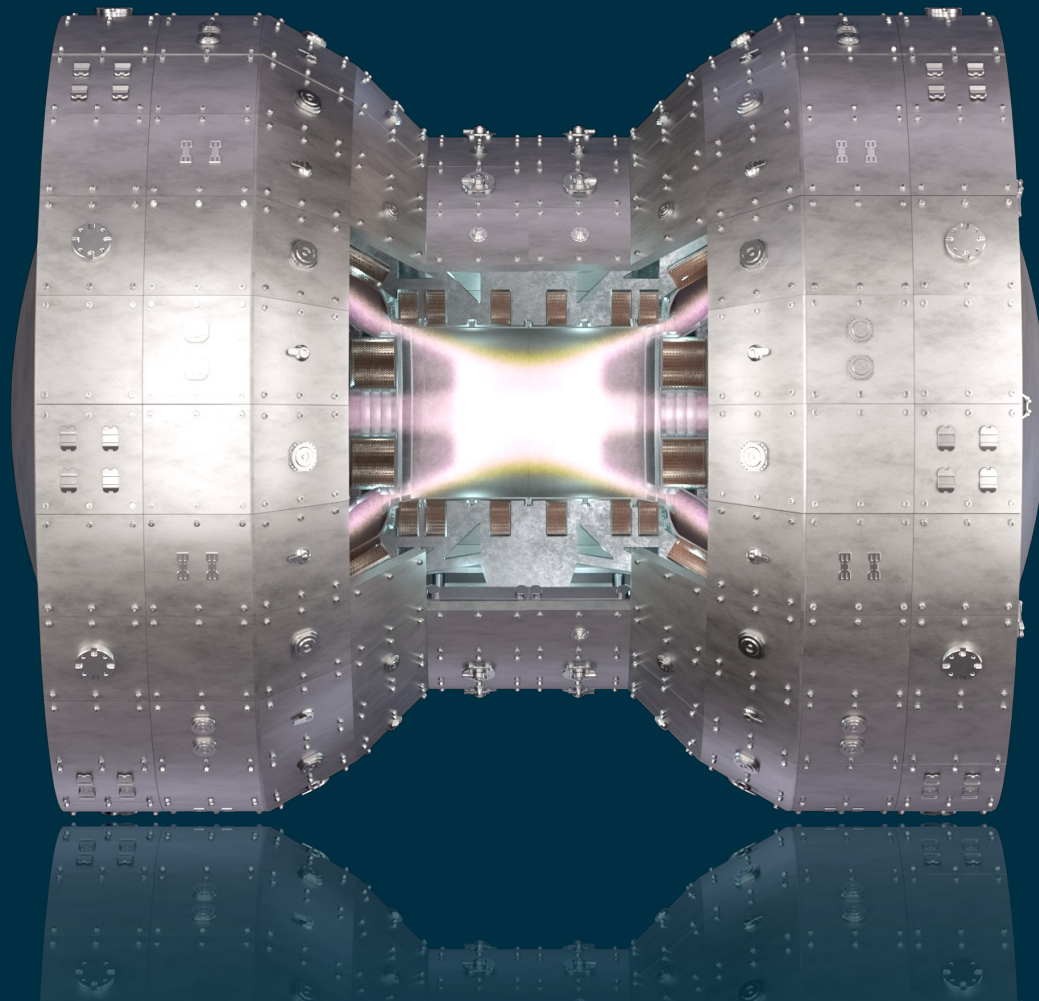


Time (τ)



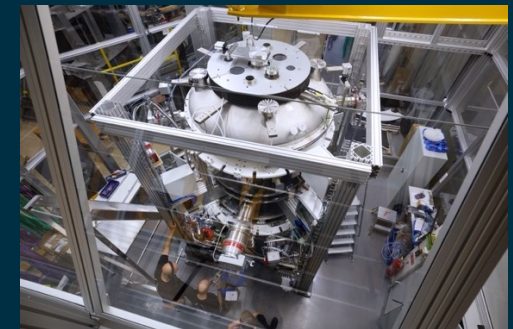
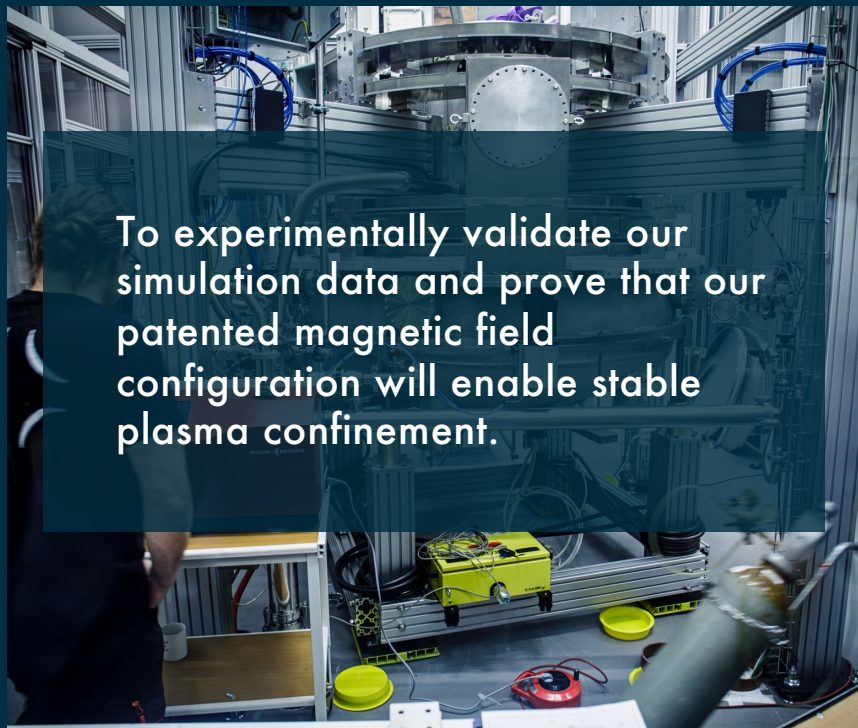
Lawson criterion

Fusion!



First plasma and successful system integration of N1

MAJOR NFG MILESTONE - AT THE ALFVÉN LABORATORY, KTH



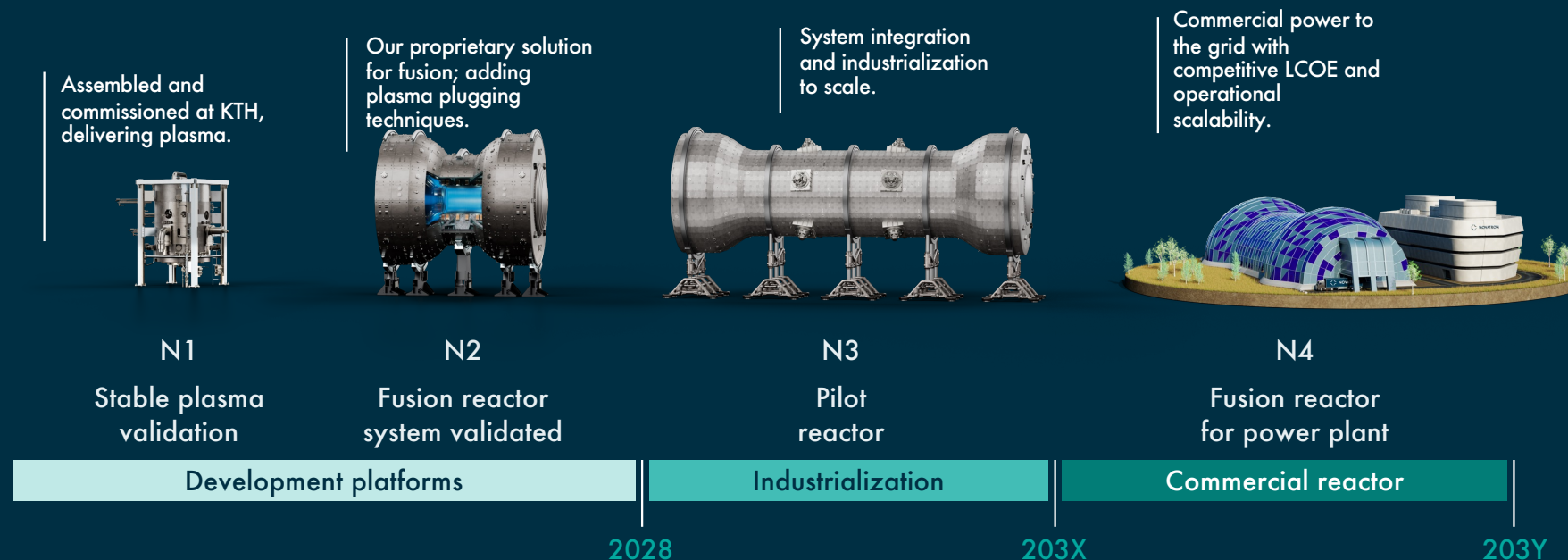
Capital efficient fusion power

OUR FOUR-STEP REACTOR ROADMAP TO COMMERCIAL ENERGY PRODUCTION

» The NOVATRON solution has a competitive advantage with significantly lower cost for proof of concept.«

Tim Bestwick

Chief Development Officer, UK Atomic Energy Authority



Near term Pre-Power Opportunities

BUSINESS APPLICATIONS TO MULTIPLE INDUSTRIES

NFG's core mission is to deliver fusion energy, but the journey opens substantial commercial opportunities before power to the grid.

- ✦ **Commercial subsystems and components** – standalone proprietary innovations (hardware and software) that can be licensed or sold into other industries.
- ✦ **Neutron source transmutation applications** – using the reactor's unique features to serve as a powerful transmutation device, support nuclear waste processing, isotope production, and material testing.

Potential commercial applications (non-exhaustive):

- ✦ Fusion Fuel breeding
- ✦ Medical isotope production
- ✦ High value minerals production
- ✦ Materials Testing for nuclear applications
- ✦ Defence and space material testing
- ✦ Nuclear waste incineration
- ✦ Electronics and Semiconductor Testing

Thank you!

