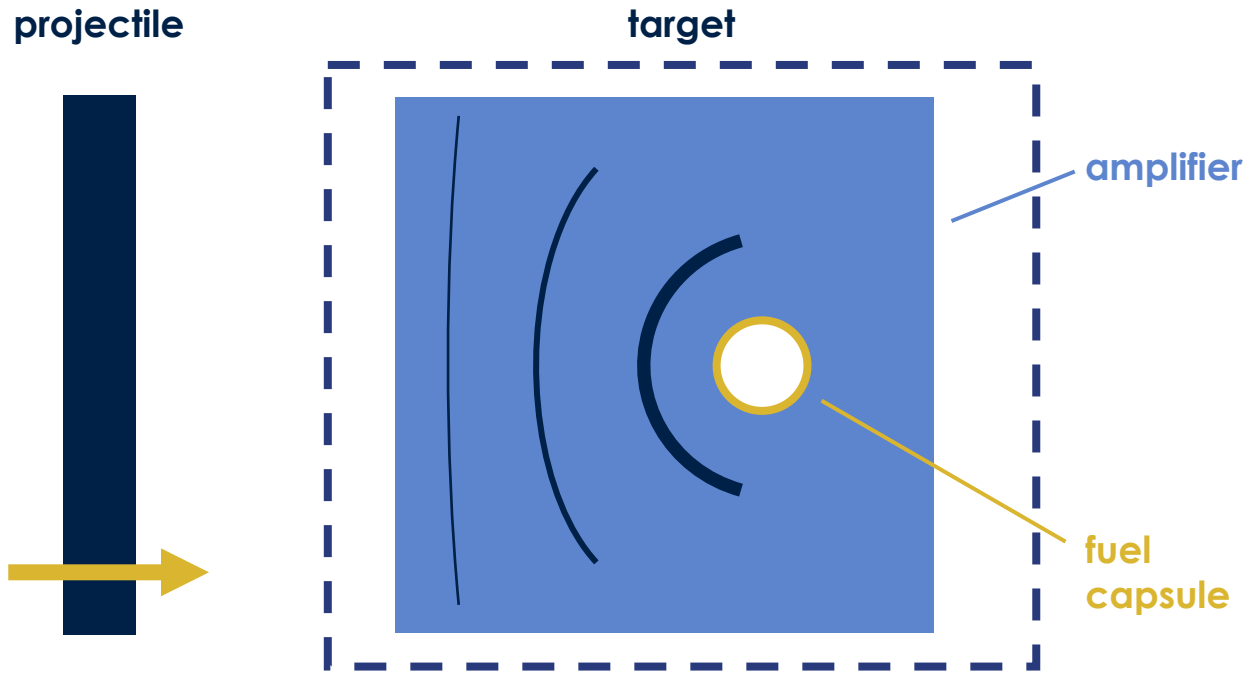
# Our proprietary amplifiers are the key to making one-sided inertial fusion work

- Amplifiers boost the velocity and create spherical shaping, recreating identically robust literature designs
- The behaviour is complex, but the physics is simple → fluid dynamics
- Simulation tools are the key enabler, allowing iteration in weeks not years
- Faster progress on triple product than any other fusion technology in history




**We have proven this works, showing fusion for the first time, validated by UK Atomic Energy Authority**

# Liquid design simply sidesteps the three major engineering challenges

- Liquid first wall design avoids known fusion engineering challenges
- Reuses existing engineering from nuclear reactors, specifically fast breeders
- Balance of plant built with existing TRL9 technology
- There is substantial momentum behind the development of liquid first wall systems for fusion; we are not developing this alone

# Our pilot plant is designed to prove the integrated engineering for electricity generation and manufacture tritium

- Tritium is more valuable than electricity, ~$30,000 / g
- Tritium is needed to start up future plants, value-based price is high
- This enables a **revenue-generating pilot plant** with less stringent engineering requirements
- Integrated system test proves engineering
- Engineering for upgradability offers highly accelerated path to cost reduction

## Design details

- Once every 90 seconds operation
- 60 MW electrical power
- 2 kg / year of tritium produced
- $570M cap ex
- $88M revenue with $17M marginal cost

Based on FLFs existing business model and development plan