

FUSION FUEL™



*– ENDLESS
ENERGY.
UNLIMITED
FUTURE.*

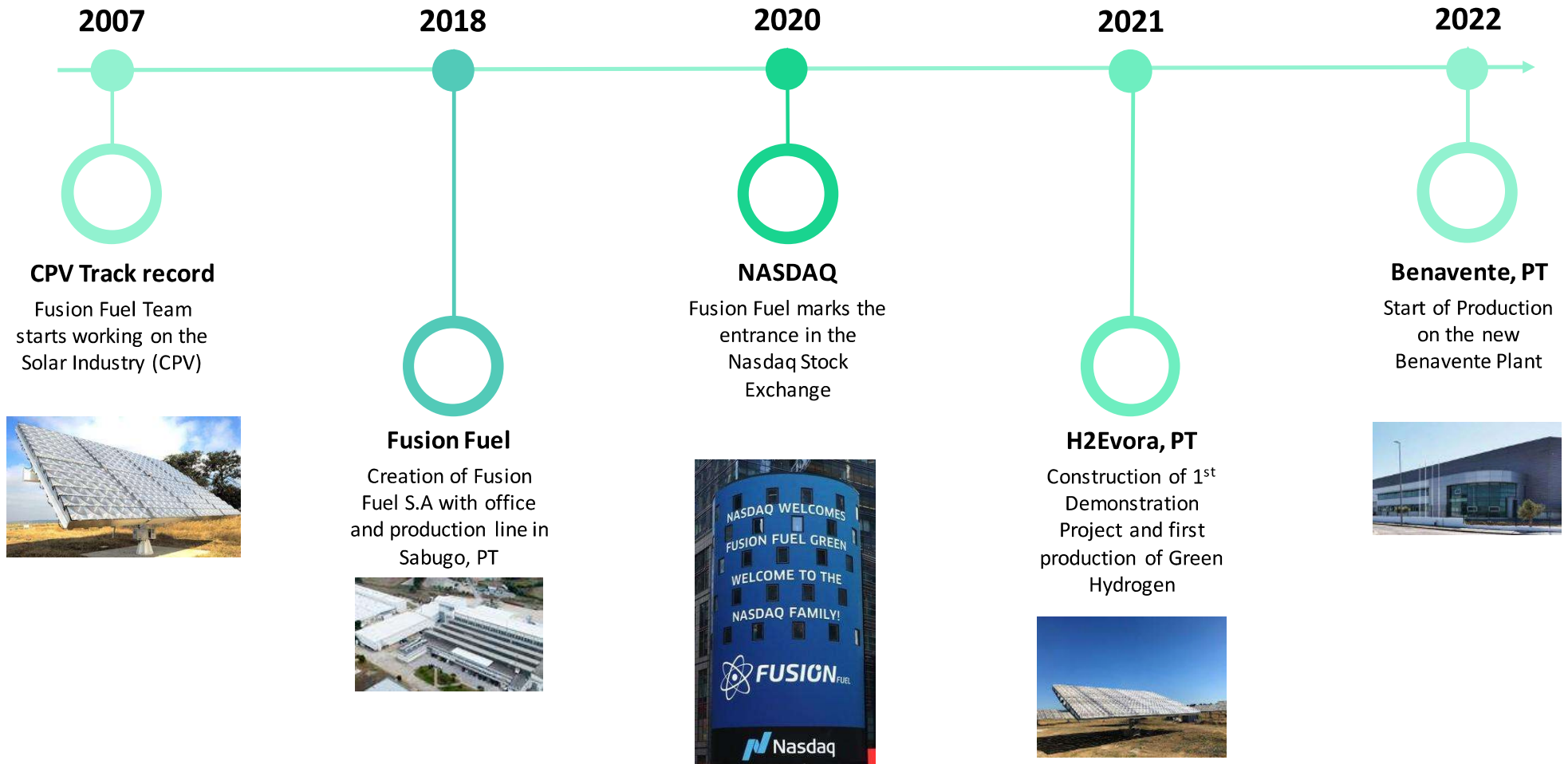
FUSION FUEL™

01 — FUSION FUEL OVERVIEW



01 – FUSION FUEL OVERVIEW

FUSION FUEL™



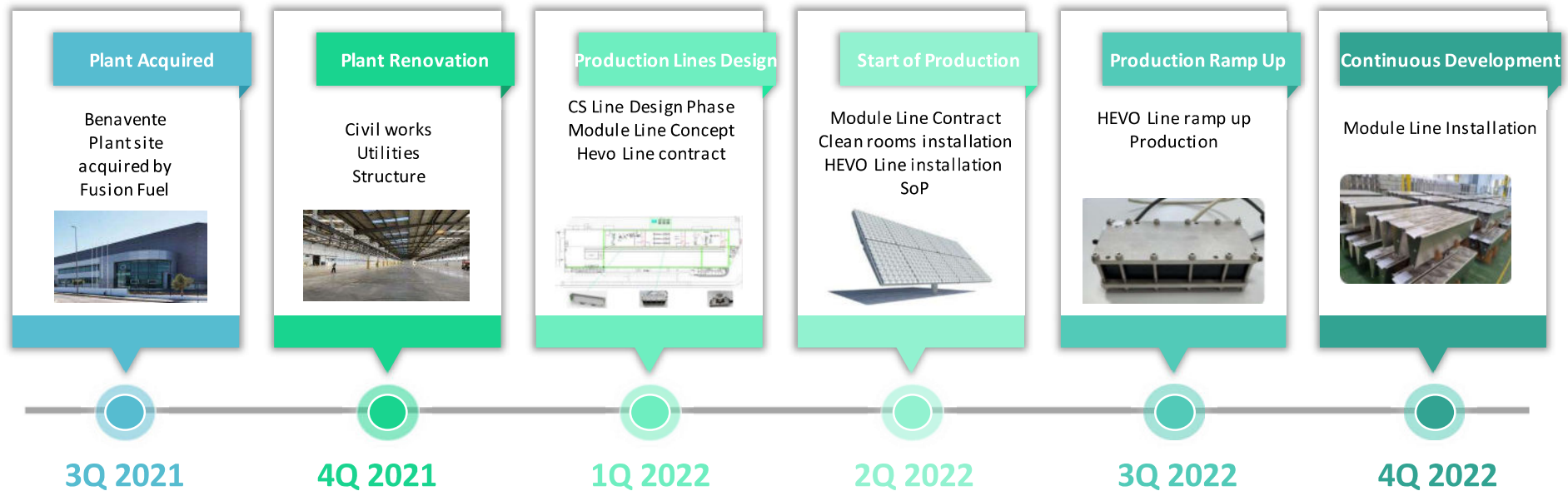
05 – BENAVENTE Plant

FUSION FUEL™



Fusion Fuel's Automated Production Facility

- 400 MW per year: Total manufacturing capacity
- 15'000 m²: Total manufacturing and assembly area
- June 2022: Manufacturing kick-off
- €10m Grant: Secured from AICEP



06 – FUSION FUEL LOCATIONS

FUSION FUEL™

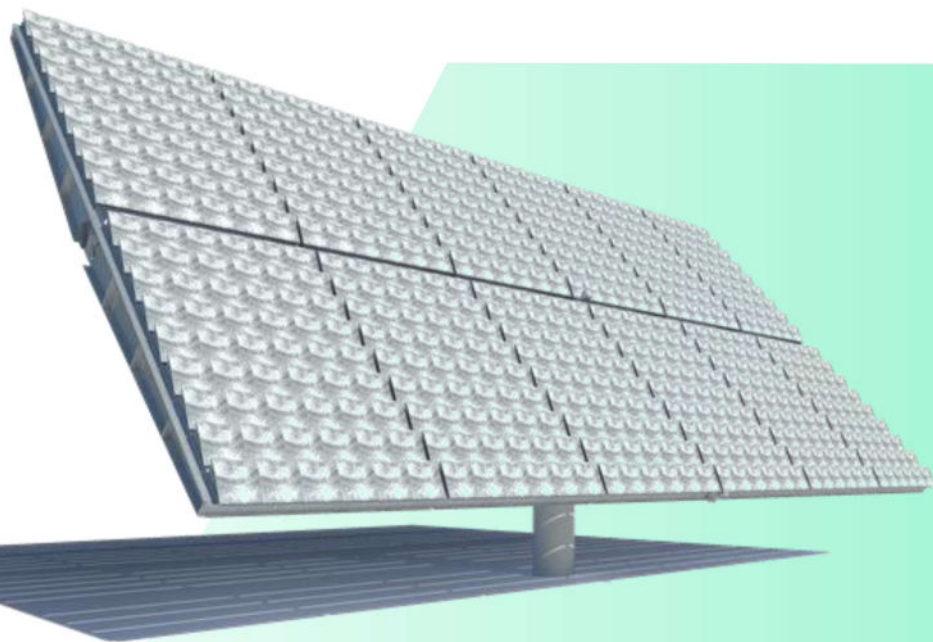


FUSIONFUEL™

02 —

HEVO-SOLAR™





- ✓ **Decentralized Production** of Green Hydrogen
- ✓ **High efficiency** of Solar Conversion due its CPV technology
- ✓ **Minimized losses** do the proximity between CPV cell and HEVO Electrolyzer
- ✓ **High reliability** do its modular design
- ✓ **High modularity** to answer all customer needs

More than 1 ton of Green hydrogen per year using Solar energy



More than 2 ton of Green hydrogen per year adding night operation



Output Pressure:
4 bar

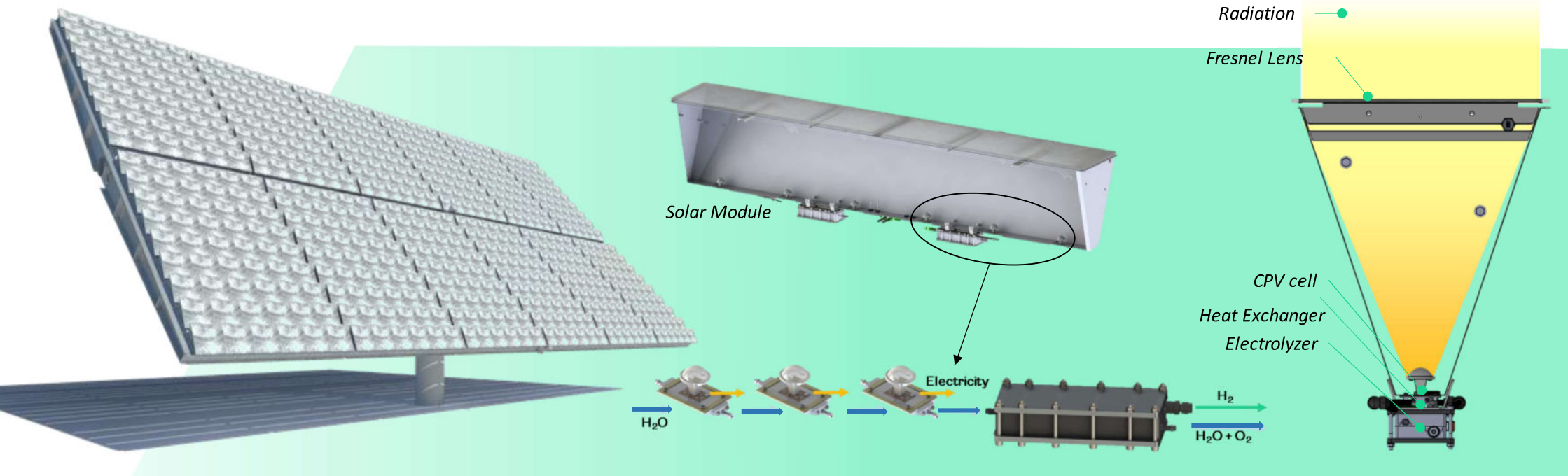


H2 content on HEVO-Solar outlet:
99.5%

99.5%

02 – HEVO-SOLAR™

FUSION-FUEL™



More than 1 ton of
Green hydrogen per
year using Solar
energy



More than 2 ton of Green
hydrogen per year adding
night operation



Output
Pressure:
4 bar



H₂ content on
HEVO-Solar outlet:
99.5%



03 – NEW FEATURES: HEVO-Chain

FUSION-FUEL™

HEVO-Chain Render



Render of Fusion Fuel's HEVO-Chain hydrogen unit

HEVO-Chain



Image of Fusion Fuel's HEVO-Chain hydrogen unit

16 Microelectrolizadores
11,2kw

5,6kg/H2 Día
4 Bar



FUSIONFUEL™

03 — MOBILITY



3.1– FUSION FUEL H2 Refueling station

FUSION-FUEL™



H₂ Refueling
Station

3.2 – PREVIOUS EXPERIENCES

FUSION-FUEL™



GNL-C



GLP



EV

1.4 –Fuel Cell vehicles

FUSION-FUEL™



Consumos

- Diesel 40 litros/100km a 1,80€ son: **72€/100km**
- GNL 28kg/100km a 1,30€/kg son : **36€/100km** (ha llegado a **2,2€/Kg**)
- H2 7,8kg/100km a **7€/kg** son **54,6€/100km** (Zero emisiones CO2)



Consumos

- Diesel 60 litros/100km a 1,80€ son: **108€/100km**
- GNC 35kg/100km a 1,30€/kg son : **45€/100km** (ha llegado a **2,2€/Kg**)
- H2 6kgH2/100km a **7€/kg** son **42€/100km** (Zero emisiones CO2)

1.4 –A successful alternative CMB.TECH

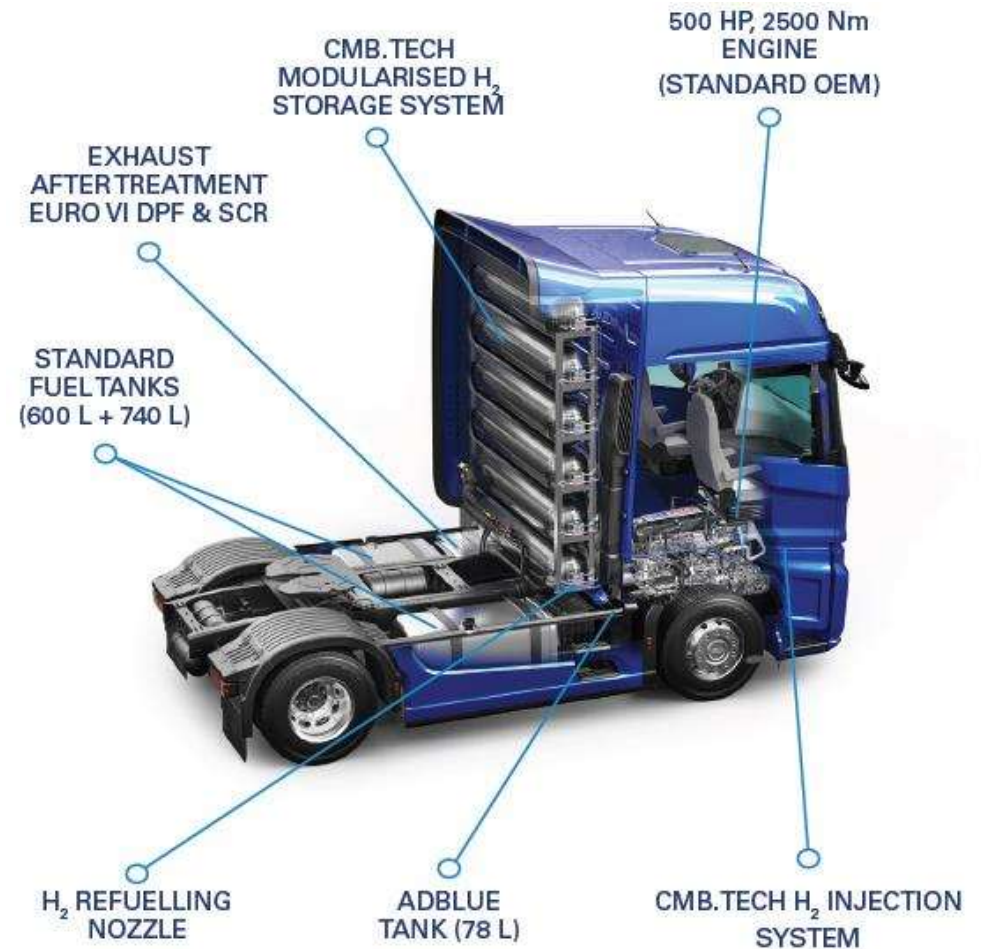
FUSION-FUEL™

CAMIONES DE HIDRÓGENO DUAL-FUAL (H₂ + DIÉSEL)

- Transporte limpio de larga distancia (más de 400 km/día)
- Ahorro de un 60% de CO₂ con la tecnología disponible hoy
- Tecnología de menor costo para el mayor ahorro de CO₂
- El camión base no se modifica, por lo que el mantenimiento aún puede ser realizado por los mismos técnicos.
- Permitir la transición energética, sin depender de la disponibilidad de la infraestructura de recarga de H₂
- Enfoque por fases:
 - ✓ Gen.1: 30 % de ahorro de emisiones con una autonomía de 980 km
 - ✓ Gen.2: 60 % de ahorro de emisiones con una autonomía de 490 km
- Respaldo diésel completo en caso de que el hidrógeno no esté disponible

ESPECIFICACIONES TÉCNICAS

- Motor 6 Cilindros – 12,7 L
- Potencia de 500 HP
- Torque de 2500 Nm
- Tanque de diésel de 600L + 740L
- Tanque de H₂ de 30 kg (recarga en menos de 15 minutos)
- Tanque de AdBlue de 78 L



FUSION-FUEL™

WWW.FUSION-FUEL.EU