Plug Power is a Leader in Hydrogen and Fuel Cell Technology

- Over 1300 Employees
- 1st to create a market for HFC technology
- 31.4MM+ fuelings; 30T+ liquid H2 used daily
- 40,000 Units Deployed
- GenKey end-to-end solution provides fuel and H2 infrastructure, fuel cells and service
- Expansion into electrolyzers and green hydrogen plants via acquisitions
- In-house capability to become one of the largest green hydrogen generators over the next several years

$900k in savings for a typical distribution center with 200 lift trucks
Scaling up Economic Opportunities: Investments and Jobs

### Annual investment

- **2022**
  - Early scale-up: $1bn
- **2025**
  - Diversification: $2bn
- **2030**
  - Broad rollout: $8bn

### New jobs

- **2022**
  - Early scale-up: +50,000
- **2025**
  - Diversification: +100,000
- **2030**
  - Broad rollout: +500,000

1. Includes direct, indirect, and resulting jobs

Source: McKinsey 2020, Roadmap to a US Hydrogen Economy
The US economy would benefit through emissions reduction, growth, jobs, & use of domestic energy resources.

Hydrogen in the US could ...

- Strengthen the US economy
- Create a highly competitive source of domestically produced low-emission energy
- Provide significant environmental benefits and improve air quality

In 2050

- $750 bn in revenue
- ~100% domestically produced
- -16% CO₂
- -36% NOₓ

Note: Final energy demand excluding feedstock; share of abated CO₂ emissions relative to US emissions in 2050 as forecasted in the IEA Reference Technology Scenario; for NOₓ, for tailpipe emissions only, based on EPA current NOₓ emissions.

Source: McKinsey 2020, Roadmap to a US Hydrogen Economy
US Hydrogen Roadmap:

Material Handling fueling stations

LH2

2025 Green Hydrogen Pipeline

- Will Build the First Green Hydrogen Network
- 500TPD of Green Hydrogen
- Europe - discussing expansion opportunities

Project Commenced:
Term Sheets/MOU's Signed, Estimated Go Live 2022-2025

Will Build the First Green Hydrogen Network

500TPD of Green Hydrogen

Europe - discussing expansion opportunities

Installed & Operate World's Largest H2 Refueling Station Network

Today: +100 Refueling stations

LH2
Operational
Pipeline
Project Commenced¹

¹Project Commenced: Term Sheets/MOU’s Signed, Estimated Go Live 2022-2025
Driving Scale in Fuel Cell Technology

Rochester, NY  First PEM Technology Gigafactory

Annual Capacity (2024)

- 375 Jobs Created
- 1.5+ Gigawatts output
- 7M+ 7M+ MEAs Bi-Polar Plates
- 500+MW Of Electrolyzers
- Green H2 Onsite generation
- 60,000+ Fuel Cell Stacks

ProGen Engines: Zero Emission Transportation Solutions

Modular Engines Provide Leverage and Enable Multiple Applications

- 15kW
- 30kW
- 85kW
- 125kW
- >1mW
Concerted effort required to build on momentum and scale up investments in deployments. This involves:

1. **Private sector investments in deployments**
2. **R&D and innovation**
3. **Enabling regulations, funding, and tax incentives by government**

Scaling up of deployment is the ultimate goal.