



Hydrogen / Diesel Blending for Heavy-Duty Fleets & Equipment

H59-D™ Autonomous Blending

Hydrogen Diesel Blending | No CapEx Needed

Fast Track to Lower Emissions

Reduce fuel cost and emissions now—no fleet replacement required. Hydrogen is blended into your current engine for a cleaner burn and proven savings. A practical bridge to zero-emission operations.

Your Core Benefits

- Lower operating costs and emissions immediately
- Meet ESG and CI reduction goals
- Maintain uptime and engine performance
- Transition smoothly toward zero-emission
- Competitive Edge

The ESSNA™ / 59Hydrogen™ Advantage

- Zero CapEx: ESSNA™ owns, installs and operates the diesel/hydrogen blending unit.
- Hydrogen: 99.995% purity (ISO 14687 / SAE J2719).
- Turnkey System: Complete blending unit. H2 is Supplied



Simple Retrofit, Immediate Impact

The ESSNA™ retrofit injects hydrogen through precision controls for a cleaner, more efficient diesel burn. Results: measurable 10% minimum fuel savings and 12% carbon-intensity reduction while maintaining performance.

Next Step

Schedule a Fleet Assessment
See how blending can cut your emissions and fuel costs today.
Contact ESSNA™ for a 15-minute consultation.

Market Development & H₂ Fleet Management Team (North America)
Energy Security Services North America
energysecurity-na.com | 59Hydrogen.com
info@energysecurity-na.com



DISCLAIMER - RESULTS MAY VARY BASED ON DUTY CYCLE, ENGINE TYPE, AND OPERATING CONDITIONS.