



# GREEN IGNITION WITH PRECISION

FLEXISPARK®



SEM, Swedish Electro Magnets, is a leading global supplier with over 100 years of industrial experience and deep knowledge of electromagnetic applications. We produce advanced hydrogen and alternative fuel ignition systems for stationary engines and commercial vehicles.

[www.sem.se](http://www.sem.se)



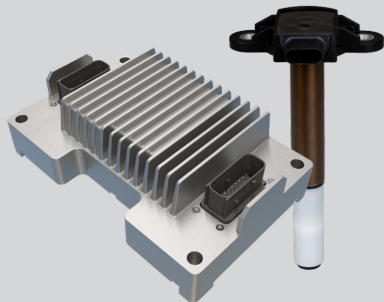
H2 IGNITION WITH PRECISION - TRUE ZERO CO2

# FLEXISPARK® TECHNOLOGY

SEM's customized ignition system for hydrogen fueled spark ignited internal combustion engines in a wide range of applications.

Hydrogen is an attractive fuel, as it is climate neutral and a true carbon-dioxide emission free fuel. Hydrogen spark ignited internal combustion engines will be an important complement to electrification in the heavy-duty segment. The total cost of ownership is low and the time to market fast.

With SEM FLEXISPARK® technology inside, our hydrogen ignition system offers a robust solution to meet specific requirements for hydrogen engines while avoiding challenges such as pre-ignition and excessive spark plug wear.



## FLEXISPARK® - Offering a competitive edge for SI-ICE

- High performance through superior spark control
- Robust ignition for combustion
- SafeSpark – no risk for ghost sparks
- Low electrode wear decreasing TCO
- System monitoring:
  - Spark plug condition (spark break-through voltage)
  - Harness and system health

