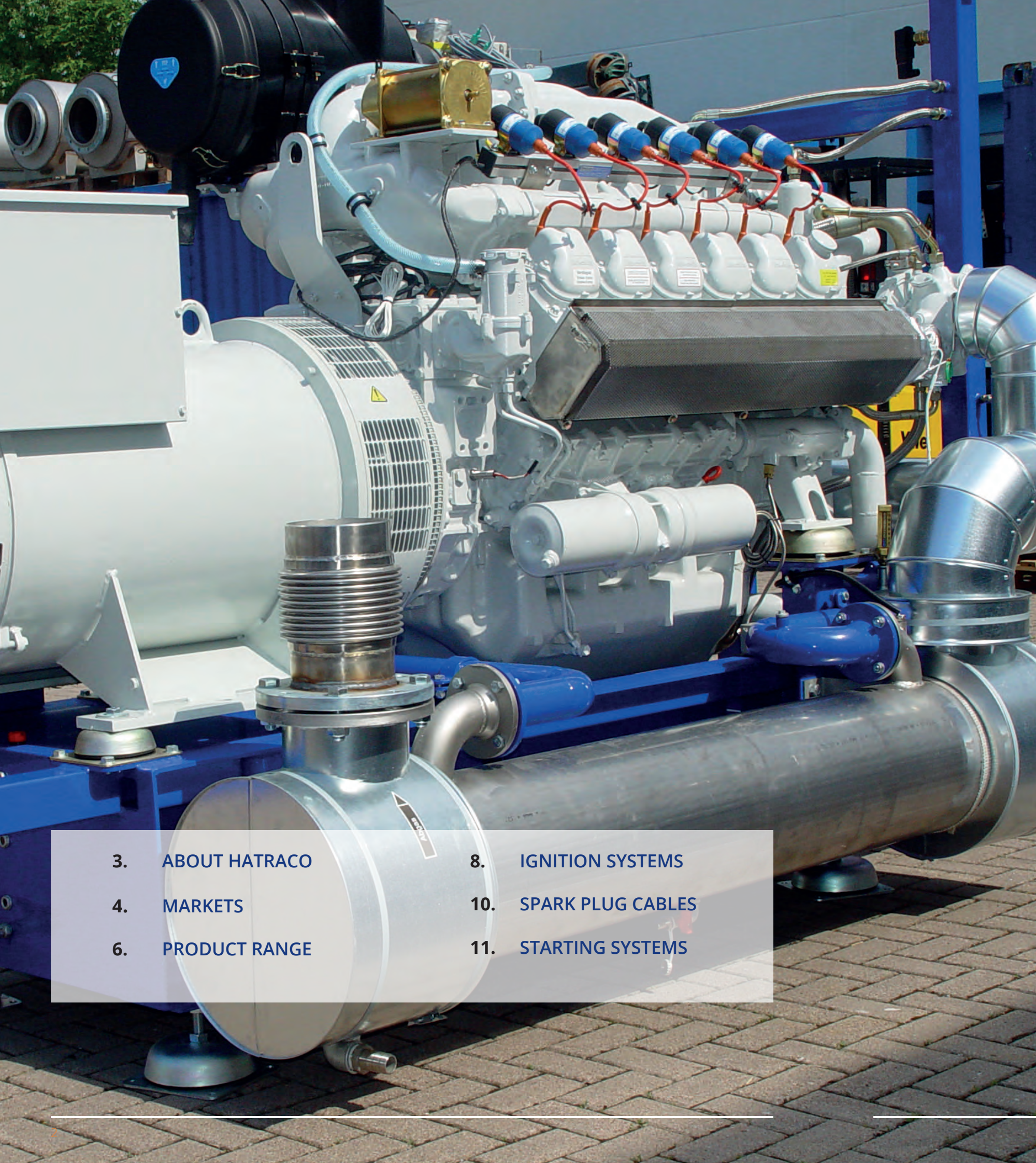


## COMPANY INTRODUCTION







## ABOUT HATRACO

Hatraco is worldwide supplier, manufacturer and distributor of customized industrial engine equipment.

Founded in 1984 by Co Hasselaar, Hatraco has since grown from an one-man trading company to a company of 38 employees with a global network of offices, dealers and agents.

Hatraco provides solutions for stationary gas and diesel engines (*including gas turbines*) for the industry, marine, oil & gas and power generation in all sorts of applications.

With our: In-house engineering  
In-house production  
In-house service

we guarantee any project to be in the best hands, as we provide the best solutions. Furthermore, with an extensive network of international offices, dealers and agents world-wide, we can ensure fast service in your own language and availability of our high quality products.

## Philosophy & Values

### Our mission

***To improve (industrial) engine performance and contribute to machine reliability in the after-market.***

The manner in which we strive to fulfill our mission is by upholding our core values:

- ***Be a partner to our customers***  
Taking an individual approach towards customers in order to better understand their needs, provide the best solutions and build lasting relationships.
- ***Be reliable***  
Say what I do and do as I say. This is about honoring commitments on all levels, having transparent communication and always being clear and realistic with all parties involved.
- ***Be knowledgeable & skillful***  
By continuously nourishing knowledge and skills within the company we are able to keep delivering well-founded solutions.

In summary, Hatraco strives **to be and remain, a reliable and capable after-market partner regarding solutions for (industrial) engines.**

### Commitment

A testament to our commitment to keep improving is being ISO-9001:2015 certified.



3. ABOUT HATRACO

4. MARKETS

6. PRODUCT RANGE

8. IGNITION SYSTEMS

10. SPARK PLUG CABLES

11. STARTING SYSTEMS



## MARKETS



### OIL & GAS

A field of opportunities

#### Solutions for:

- Reciprocating and rotary driven compressors
- Gas and Diesel driven gensets
- (Bio) gas engine driven CHP
- Diesel engine driven pumps

### MARINE & OFFSHORE

A sea of opportunities

#### Solutions for:

- FPSO's
- Oiltankers
- Offshore platforms
- Roll-on / roll- off ships
- Containerships
- Dredgers
- Explorers
- Tugboats
- Workboats
- Life boats



### INDUSTRY

A world of opportunities

#### Solutions for:

- Dump trucks
- Mining trucks
- Excavators
- Transport- agricultural vehicles
- Airport pushbacks
- Lawn movers
- Industrial furnaces
- Heaters
- Industrial ovens
- Ovens in general
- Grain dryers
- and many more



## PRODUCT RANGE

### IGNITION SYSTEMS

Up to 20 cylinders  
Individual cylinder energy



### PRE-WIRED COIL RAILS

Hatraco product  
Tailor made to customers specs



### SPARK PLUG CABLES

Hatraco product  
In-house design & manufacturing



### SPARK PLUGS & IGNITERS

Largest program of industrial  
spark plugs in europe  
Original OEM versions for aftermarket



### HARNESSES & RETROFITS

In-house engineering  
In-house manufacturing



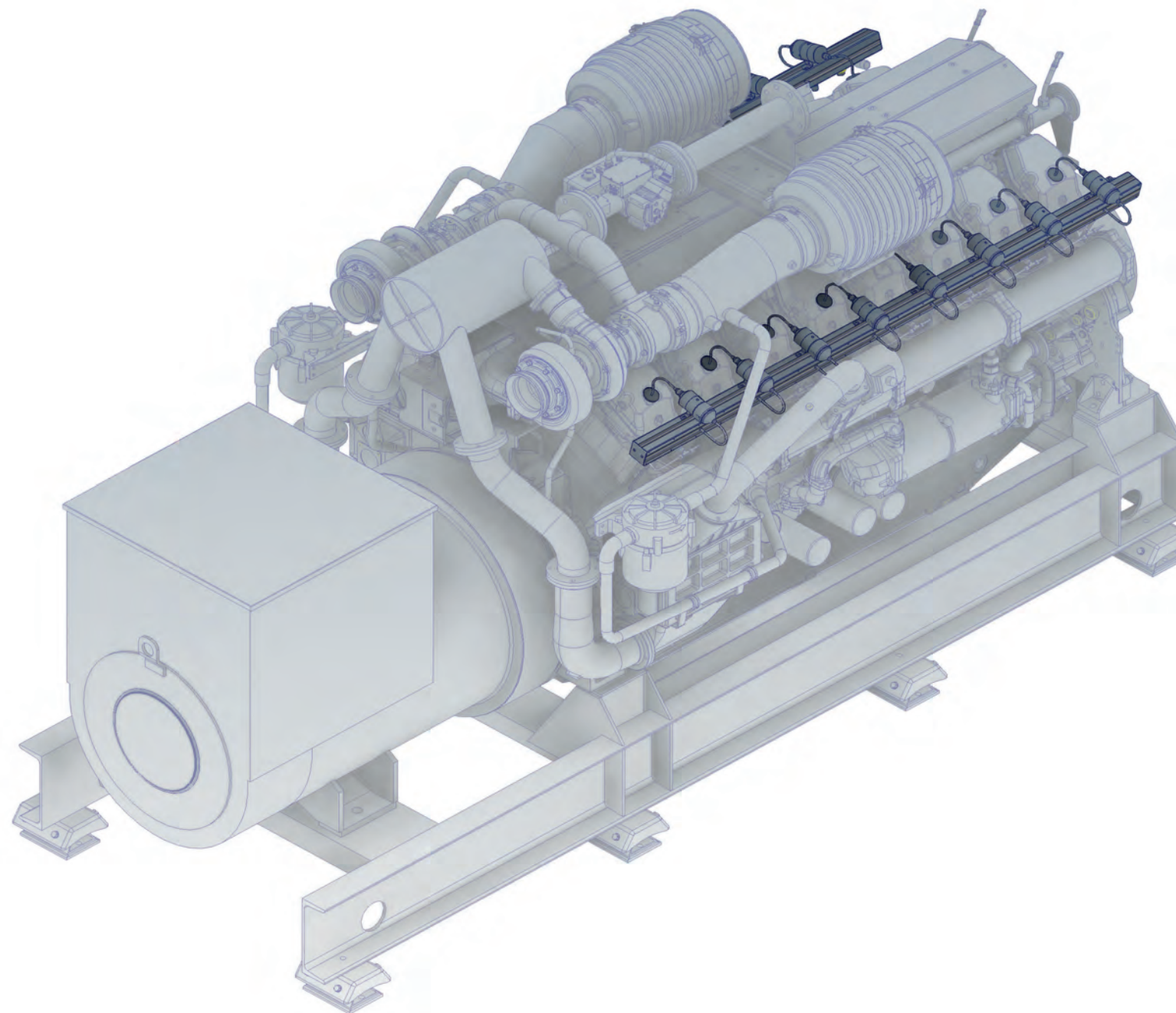
### DETONATION DETECTION

Detection for up to 16 cylinders  
Fully programmable



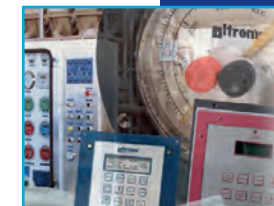
### FUEL MANAGEMENT

Various engineering  
Bi-fuel systems



### CONTROLS

Speed control  
Temperature control



### STARTING SYSTEMS

Air starting  
Hydraulic starting  
Spring starting



### EMISSION

Diesel particulate filters  
Catalytic converters  
SCR-filters



### FLUID CONTROL

Oil level control  
Flow control



### BUS & TRUCKS

Custom spark plug cables  
Wiring harnesses  
Charge cables



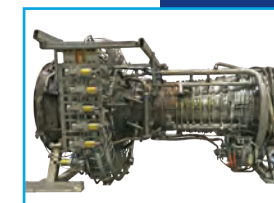
### GAS COMPRESSION

Starting systems  
Compression control  
Ignition systems



### GAS TURBINE

Turbine starters  
Sprag clutch  
Ignition cables





# Hatraco ignition systems



- Custom made
- Also in small quantities
- Available for nearly any engine brand, model and configuration
- Every component can be ordered separately

# Application examples



BIOGAS CHP



GAS COMPRESSION ENGINES



NATURAL GAS CHP

These are just a few examples out of almost 40 years of experience providing solutions for industrial engines.



# Hatraco spark plug cables

Hatraco ignition systems are manufactured for nearly any engine brand and model, for in-line and V engines. There are standard ranges for various engines available. Besides the standard ranges Hatraco's ignition system can be custom made according to specific wishes and applications, also for small quantities.



# Starting systems

## A variety of engine starters

### Spring starters



Hatraco is the proud force behind the well-established, experienced and original spring starters brand, Kineteco.

### Air starters



The most reliable air starters on the market, from TDI Tech Development.

### Hydraulic starters



Built for higher speed and torque, from Kocsis Hydraulics.

## Hydraulic & Air starting systems

Hatraco offers fully custom starting systems for engines up to 100 litres, with start durations up to 90 seconds, for marine, offshore, oil and gas, mining and industry markets.



For a customized advice, please contact us through  
our global network of offices, dealers or agents.

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Official distributor for:

Altronic | Auburn | Beru | Bosch | Champion | Denso | Exline  
GAC | Goetze | Kenco | Kineteco | Kocsis | Stitt | TDI