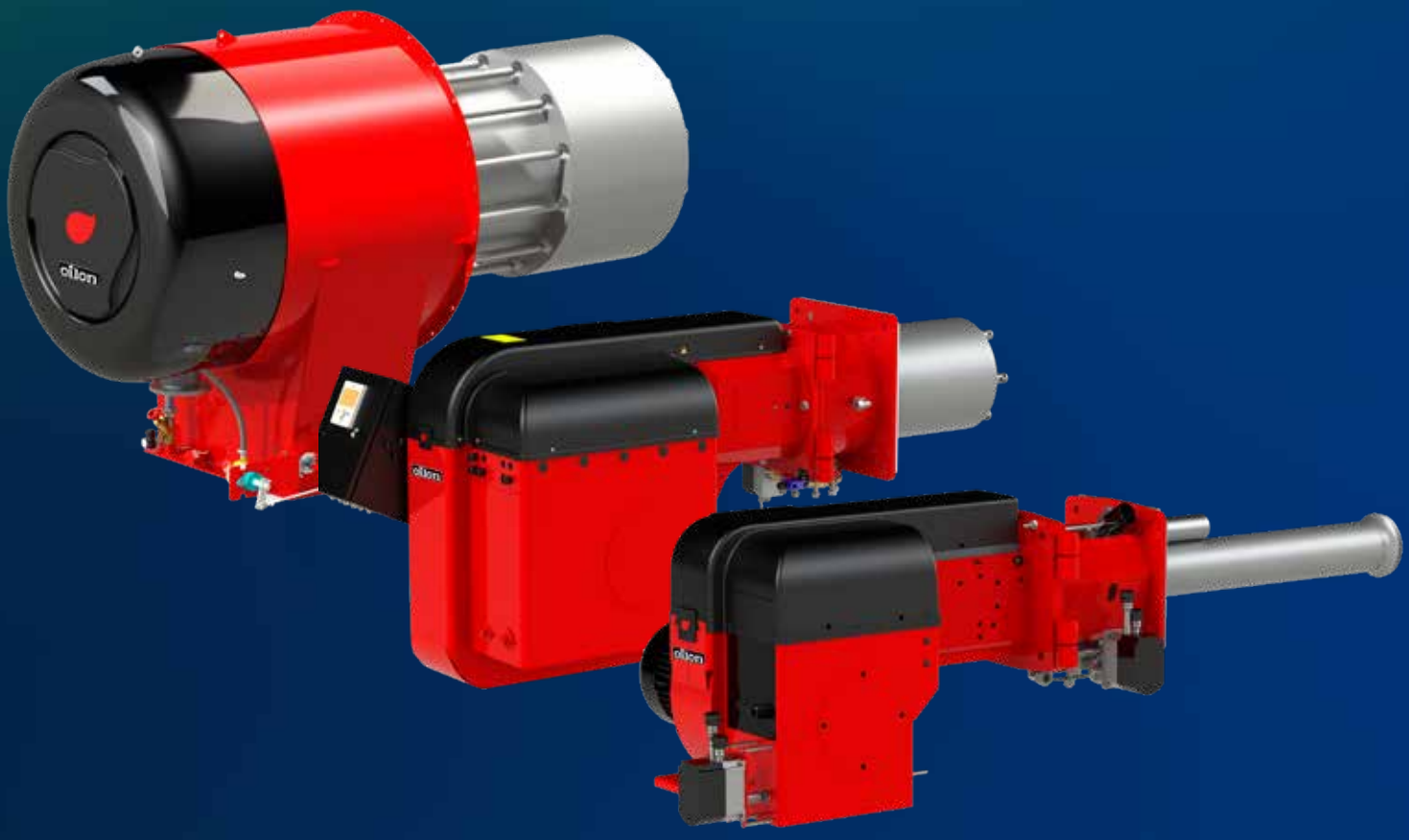
Oilon Burners

The art of clean combustion



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Creating energy technology for sustainable future

Oilon is a family-owned, global energy and environmental technology company, founded in 1961. Oilon specializes in environmental technology with a special emphasis on research and development. The focus areas of the research and development are on improving energy efficiency, decreasing emission levels, and developing new solutions using renewable energy sources.

The focus technologies are:

- burners and combustion systems for liquid and gaseous fuels in the capacity range of 10 kW – 90 MW
- industrial heat pumps and chillers

The service activities are in an important role throughout the product life cycle.

Oilon solutions and systems are used for heating and cooling large buildings and facilities, and for heating private houses. Key industrial customers include power plants, pulp and paper mills, process industry, waste incineration plants, marine operators, and districts heating plants.

Oilon has over 400 employees. Oilon has operations in Finland, USA and China, and sales offices in Brazil and Germany, and in addition, more than 70 resellers worldwide.

Oilon's history

2024 Oilon's responsibility efforts received the silver EcoVadis rating.

2023 Oilon joins the world's largest corporate sustainability initiative, UN Global Compact.

2022 The Science Based Targets initiative (SBTi)approved Oilon's targets to be in line with limiting global warming to 1.5°C in accordance with the Paris Climate Agreement.

Oilon joins ABB's Energy Efficiency Movement.

2021 Celebrating our 60 th Anniversary.

Moving to a larger new factory facility in USA

2017 Oilon ACE was launched

2016 Finnish national engineering award for the most advanced NOx reduction technology

2015 Stream burner series was launched

2014 Factory to Thomasville USA

2013 Monox burner series was launched

2012 Sales office to Brazil

2011 Oilon Ultrax burner series was launched

2006 CFD engineering started at Oilon

2005 Second phase to Lahti R&D centre

2002 Factory to Wuxi China

1998 Oilon Lenox burner series was launched

1994 New R&D center to Lahti

1993 Oilon started exporting to China

1984 Oilon S-Burner burner series was launched

1981 Oilon Junior LF1 burner to market

1980 Oilon Superblue Low Nox oil burner to market

Oilon TP-Process and powerplant burner series launch to market

1974 Power plant and process burner production was launched

1971 Lahti factory was built

1969 Residential oil burner production was launched

1961 Founded




Oilon burners – the art of clean combustion

We offer burners and combustion solutions for a multitude of different boiler types and applications for liquid and gaseous fuels, including renewable fuels. Capacities up to 90 MW.

Our long-term combustion expertise culminates in reliability, efficient performance, and low emission levels.

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Renewal and innovation

We invest 6% of our annual turnover in research and development.

We have a modern research and development center, with extensive facilities for product development and renewable energy research.

Successful projects based on digital modeling and long-standing experience

We use computational fluid dynamics (CFD) to develop more efficient and cleaner combustion processes. With CFD modeling, we can also ensure in advance a successful outcome in the most demanding projects.

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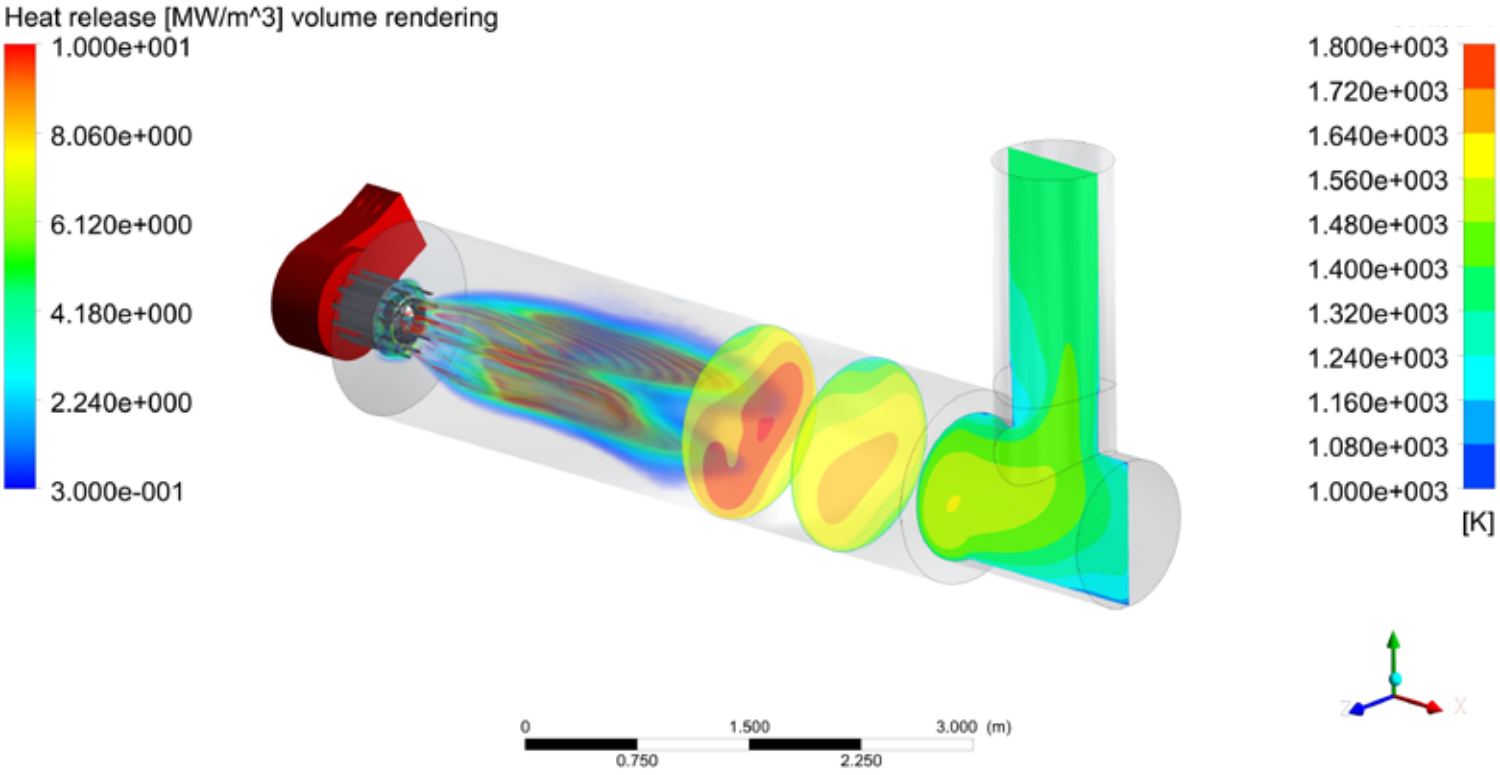
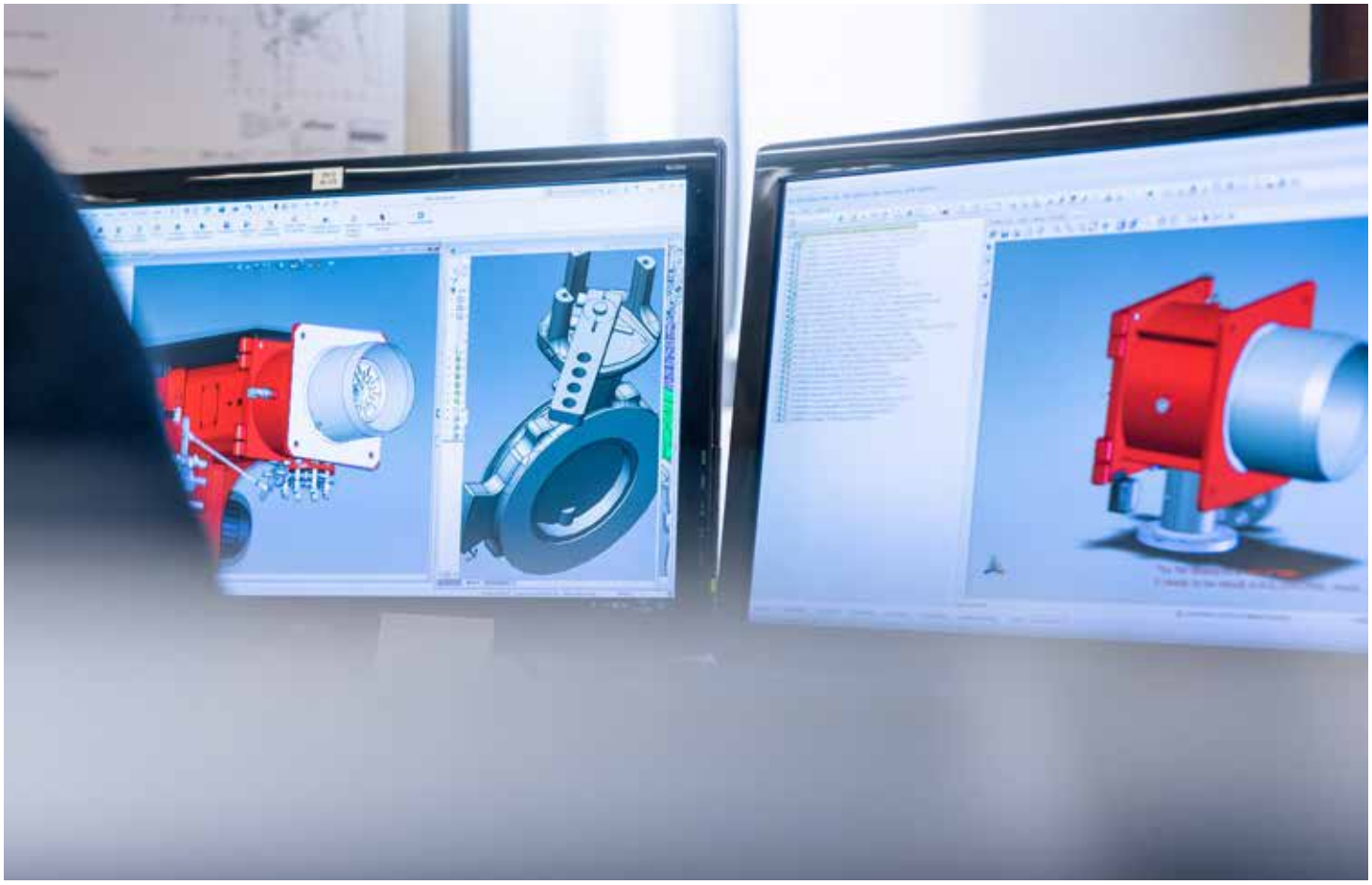

Heat release [MW/m^3] volume rendering
1.000e+001
8.060e+000
6.120e+000
4.180e+000
2.240e+000
3.000e-001
1.800e+003
1.720e+003
1.640e+003
1.560e+003
1.480e+003
1.400e+003
1.320e+003
1.240e+003
1.160e+003
1.080e+003
1.000e+003
[K]
0
1.500
3.000 (m)
0.750
2.250



Digital tools ensure success across the entire product lifecycle

oilonONE hub provides users access to all the digital capabilities offered by Oilon.

All in one place in the heart of Oilon.

The digital environment enables customer support extensively, in addition to traditional service operations.

The hub offers

Oilon Selection Tool. Oilon Selection Tool is a market leading application which can be used to simulate the performance of products in application areas. Oilon Selection Tool produces comprehensive technical product material as a starting point for the project, which enhances the process and ensures a successful result.

Oilon Device Portal. You can keep track of the delivery process easily. And you have access to all the important product information. There is also possibility for remote monitoring of operational devices.

Oilon Digital Training platform. You'll have digital training materials always available.

- **Oilon's website and Webshop.** Save time with all in one access to our services.

Explore OilonONE here!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One-stop-shop for Oilon services
Oilon Selection Tool
Configure the best solution for you
Oilon Digital Training
Learn how to operate and maintain your product
Oilon Device Portal
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Lahti, Finland

Kokkola, Finland

Oilon factories


Thomasville, USA

Wuxi, China
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Oilon burner manufacturing facilities

Our facilities are equipped with cutting-edge manufacturing technology designed for precision and flexibility.

Factories are capable of handling a wide range of burner sizes for firetube boilers, water tube boilers and power plants. Automated systems ensure that the production process is both efficient and consistent, adhering to stringent quality standards. These technologies, combined with Oilon's highly skilled workforce, enable the plant to produce burners with exceptional performance, longevity, and environmental efficiency.

Every burner that leaves our facility undergoes rigorous testing to meet the highest safety and performance standards, ensuring that Oilon maintains its reputation as a trusted manufacturer.

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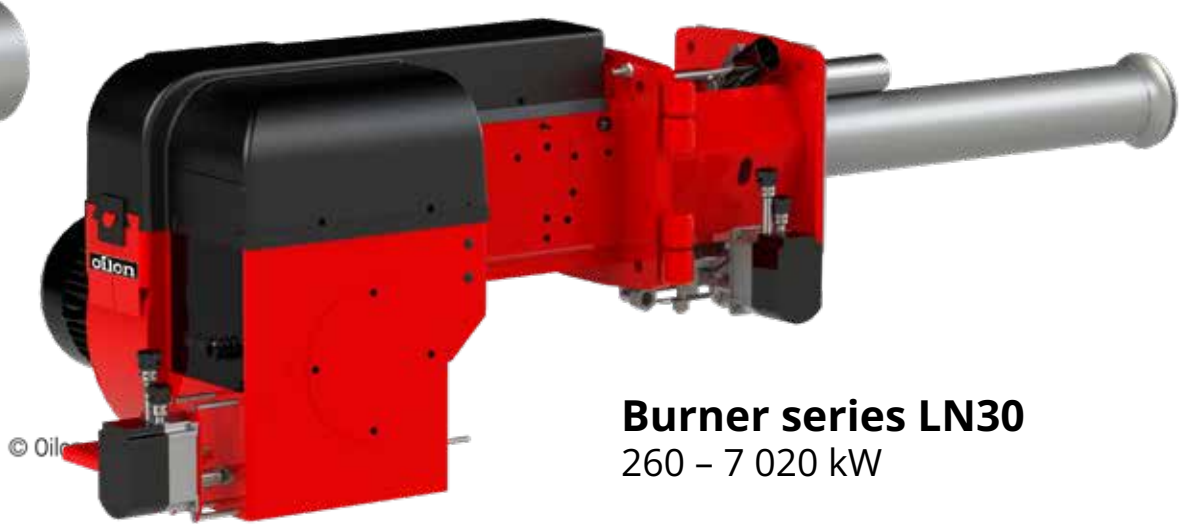
Monoblock burners

Burner series 130 – 280
270 – 3 500 kW

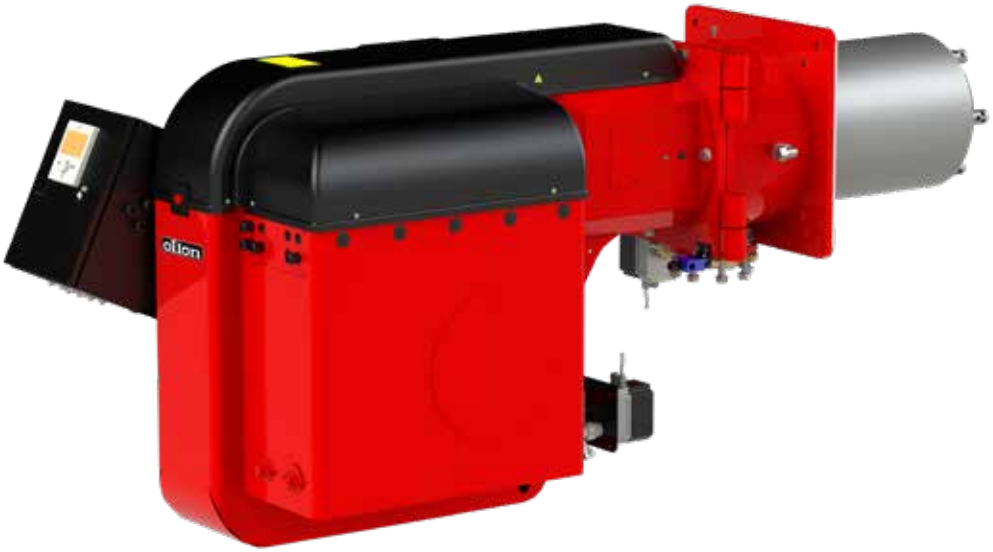
Burner series 50 – 90
200 – 1 540 kW

Burner series BF 1 - BG 450-2
15 – 550 kW

Burner series Stream 350 – 450
530 – 5 500 kW



Burner series LN30
260 – 7 020 kW



Burner series 300 – 700
800 – 10 500 kW

Monox burners
1 800 – 13 300 kW

Duoblock burners

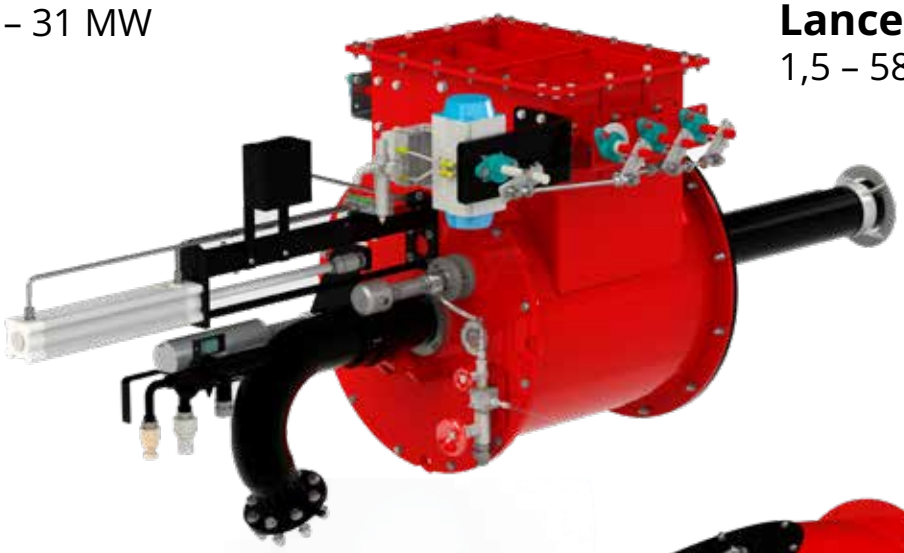
Oilon ACE
0,8 – 90 MW

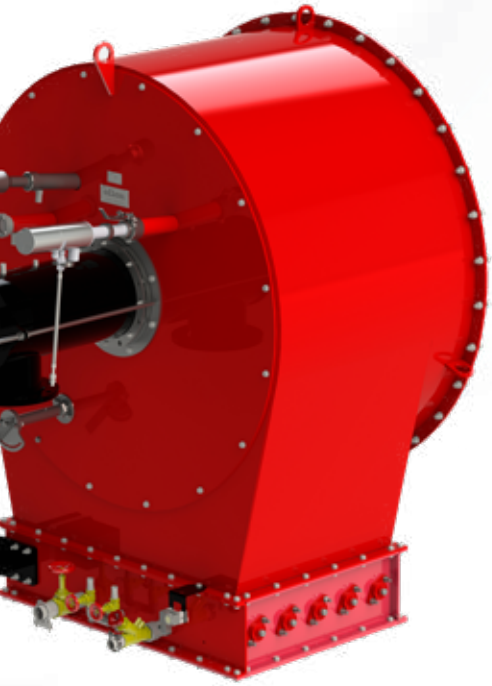
ME-Burners
1,2 – 29,5 MW

S-Burners
0,9 – 63 MW

K-Burners
0,5 – 31 MW

Lance Burners
1,5 – 58 MW





LITEX
5 – 45 MW

Applications and processes

- District heating plants
- Power plants
- Pulp and Paper
- Waste-to-Energy
- Hazardous waste incineration
- Process industry
- Chemical industry
- Petrochemical industry
- Metallurgy
- Marine

Sustainable energy solutions

We provide low emission combustion solutions for:

- conventional fuels
- renewable biofuels
- side streams from various industries

Gaseous fuels:

- natural gas
- hydrogen
- propane
- bio gases
- carbon monoxide
- coke oven gas (COG)
- blast furnace gas (BFG)
- coal gas
- process gases
- refinery gases
- etc.

Liquid fuels:

- light and heavy oil
- bio oils
- methanol
- tall oil
- pyrolysis oil
- butadiene
- turpentine
- waste oils
- hydraulic oils
- etc.

Oilon dealers in over 60 countries

Oilon factory

Oilon location

Oilon dealer

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Visit here for our location search

Visit oilon.com to learn more about Oilon burners

Get to know our ultra low NO_x LN30 burner family

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