FISCHER
TECHNIK MIT IDEEN

Fischer Abgastechnik has been a specialist in exhaust gas purification for over 20 years.

Our mission and motivation can be summed up as: Clean air, out of responsibility for people, the environment and machinery!

For us, responsibility means harnessing the potential of innovative ideas to meet the requirements of emission directives and help preserve resources.

Our engineers specialise in custom-built, special solutions so that the principles of sustainability can be applied efficiently to new or existing systems for a variety of sectors.

We would be pleased to set up a face-to-face meeting to show you the specially developed technological solutions we can offer for your specific applications.

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INNOVATIVE SOLUTIONS FOR THE ENVIRONMENT:

FOR THE ENVIRONMENT * REDUCE EMISSIONS *

- Exhaust gas technology
- Particulate filters
- Thermal management
- SCR-DeNOx systems
- Silencers
- Spark arrestors
- Mobile fire suppression systems
- ORC – Energy-efficient solutions based on waste heat

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FISCHER
TECHNIK MIT IDEEN

PEOPLE ENVIRONMENT MACHINERY

STATIONARY PLANTS

STATIONARY PLANTS

WE ARE ALREADY DEVELOPING THE SHAPE OF THINGS TO COME

Even with state-of-the-art technologies, the **exhaust gases from stationary plants** may still contain environmentally harmful and toxic **emissions**, which are governed by the **rules and limit values** defined by the legislative authorities in coordination with the responsible government agency.
The German air pollution control regulation **TA Luft** introduced new and stricter emission gas regulations in **2018**, setting out **limit values** for stationary plants that **must not be exceeded at any time**.
With over **20 years of experience** in the area of **exhaust gas technology**, we have various concepts for combining **SCR systems, 3-way catalytic converters, oxidation catalysts and particulate filters** to ensure compliance with **current** and **future emission limits**.

PARTICULATE FILTERS

Specially designed and manufactured to suit your requirements, our **particulate filter systems are extremely effective at reducing soot emissions** from stationary plants.
When combined with an **oxidation catalyst**, the following **reductions in harmful substances** can be achieved:

Carbon monoxide (CO):	< 98 %
Hydrocarbon (HC):	< 95 %
Soot particles:	90 to 99 %

SCR SYSTEMS

Your nitrogen oxide levels will always be within the permissible limits with our advanced **SCR (Selective Catalytic Reduction) systems**!
Our team of highly qualified engineers has many years of experience in industrial plants and will be happy to handle the conceptual design of the following on your behalf: **SCR systems, particulate filters, programming, control units** etc.
When combined with an **oxidation catalyst**, the following **reductions in harmful substances** can be achieved:

Nitrogen oxide (NOx):	70 to 98 %
Formaldehyde (CH_2O):	80 to 95 %
Carbon monoxide (CO):	80 to 98 %
Hydrocarbons (HC):	80 to 90 %
Soot particles:	20 to 30 %

BIOGAS OXIDATION CATALYSTS

Exhaust gases from **biogas CHP plants** may contain carcinogenic **formaldehyde**.

Adherence to limit values is required by law.

Fischer biogas oxidation catalysts represent a **safe and reliable solution** for ensuring compliance with these **formaldehyde reduction rules**.

Biogas oxidation catalysts, BOC for short, are used in **gas-powered and dual-fuel engines** that run on **biogas, sewage gas** or **landfill gas**.

Innovative ideas and a **wide range of housing designs**, including **clamp or flange systems and even QR housings (Quick Remove)**, ensure perfect **alignment with the needs of your stationary plant**.

Fischer BOC feature a **special platinum coating** that is **highly resistant to sulphur compounds** and **keeps the oxidation of sulphur oxides low**.

Our strength lies in the development of **unique systems for stationary industrial engines, gas and diesel plants** such as CHP plans, power units, generators, pump stations, etc.