



**Exomission's** competence lies in the development and distribution of individually tailored **exhaust gas after-treatment systems**. In addition, using a **fuel water emulsion (FWE)** technology, we offer a very efficient primary technology for in-cylinder emission reductions.

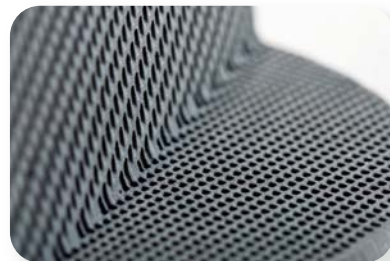
Within the **FWE** system, a specific amount of water, depending on the engine load and the fuel consumption, is dosed into the fuel. The mixture of water and fuel is emulsified in a special unit and injected into the engine.

As a result, **soot emission** can be **reduced by up to 90%**, NOx emissions by up to 45% and additionally carbon monoxide and hydrocarbons by up to 30%. Depending on the engine type and operating conditions even a **small percentage fuel saving** is possible.

For **exhaust gas after-treatment**, we offer the following technologies, both as standalone systems and in combination with the FWE:

- **SCR system (selective catalytic reduction)** to reduce oxides of nitrogen
- **DPF (Diesel Particulate Filter)** to reduce particulate emissions

These technologies can be used on the main engines of **inland and seagoing vessels**, as well as on the on-board **power generator** engines.



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