

# The Discom Effect



Solutions for noise, emission and heat

**discom**  
EXHAUST TECHNOLOGY

# The Discom Effect



## Sustainable solutions for a sustainable world

**Exhaust systems are having** to meet increasingly strict demands. Noise-limiting measures are being tightened and governments are establishing new standards for emissions of contaminating gases. Discom's specialist knowledge as regards the integration of different techniques and technologies is invaluable to anyone who wants to reuse heat from exhaust gases. Our focus on innovation enables us to meet the demands of today and tomorrow and to add value to any assignment, no matter what the size. The added value of the Discom Effect.

**Noise reduction, emission limitation** and the reuse of heat constantly demand different solutions. At Discom we are not fazed by situations and our aim is always to create the ideal solution. Although the Discom Effect is different on each occasion, the result is always a system that is perfectly suited to whatever specific circumstances we come across. The Discom Effect stands for maximum performance in all circumstances in order to meet any applicable standard.



# The Discom System Effect



## The ideal system is different each time

**As an acoustic expert** we have been a specialist in noise reduction for over thirty years. We are also experts at analysing situations and then determining which system offers you the optimal solution, whether dry or 'wet' (water-injected), whether standard or 'state of the art'. Discom has experience with various types and designs of silencers, intended for a wide range of applications and circumstances. Moreover, Discom can supply complete exhaust systems which include a silencer, suspension, compensators and possibly solutions for emission limitation and heat recovery.

**We are also an ideal partner** for anyone involved in emission limitation. Discom's expertise in emission technology means you can fulfil any requirement, including zero emissions. The integration of noise-limiting techniques and systems for heat reuse facilitates an efficient combination of techniques. As a specialist in exhaust systems Discom also has the knowledge and technology necessary to eliminate heat loss. Modern and efficient techniques for reusing heat are used, for example, in connection with combined heat and power.



# The Discom R&D Effect



## Continual investment in research and development

**New demands in the field** of noise and emissions mean designers of exhaust systems continually face new challenges. At Discom we do not simply wait for such developments to occur. We prefer to take the lead, just as we have been doing for thirty years through continual investment in research and development. Our own innovations are an important element of the Discom Effect. That is why all our engineers are, at some stage, actively involved in development.

**That focus on innovation** constantly creates new possibilities, ranging from a simple silencer for an inland navigation vessel to a turnkey project on a drilling rig, including all the pipes, mountings and housings. Continual research and development has made Discom a forerunner in its field. We continually search for techniques and materials to meet ever stricter requirements. Efficiency is always a matter of course. Optimal control during the entire chain keeps costs manageable and safeguards delivery times, all the more so because Discom produces at a number of different locations.



# The Discom Quality Effect



## The quality safeguard

**Discom's field of work** is one in which absolutely no compromises can be made as regards quality. A silencer simply has to work. Emission technology has to ensure an effective reduction in the emission of harmful substances. That is why Discom incorporates every imaginable safeguard into all the production stages, from the very first advice to the definitive installation. Integrating all the disciplines under a single roof ensures that the process can be optimally controlled. New developments - one of Discom's strong points - only find their way onto the market if their viability has been proven and their reliability is not open to question.

**We are also open** to audits by customers who are keen to see our quality substantiated in straightforward figures and research. As a system integrator of noise and emission limiting techniques we are able to offer principals the best of two worlds, based on tailor-made systems. As specialists in the field of energy we are fully aware of solutions for reusing valuable heat and as an innovation-oriented company we are also able to comply continually with changing legislation by repeatedly investing in the widening and deepening of our own expertise.



# The Discom CSR Effect



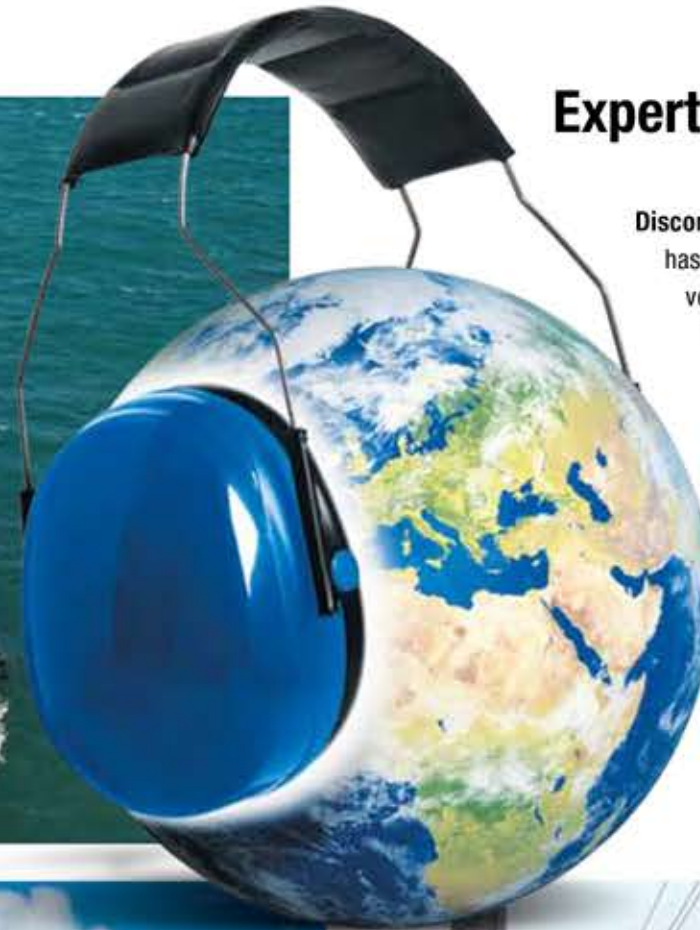
## Today's solutions determine tomorrow's world

**Discom's field of work** is linked closely to the environment. Our emission-limiting techniques certainly enable us to contribute to a world which takes account of future generations. The reuse of heat is one of our specialisms as regards contributing to a more economical use of natural sources. Although we do not realise it every day, noise nuisance and vibrations are also a form of 'environmental nuisance' which we are keen to reduce using innovative techniques.

**As a company that** is used to taking its corporate responsibility, our aim is to do more than this. One example of this is that production of our systems is spread over a number of strategic locations in Europe, close to key markets so as to minimise transport costs and CO<sub>2</sub> emissions. Even in the design and development phase, the accent is on techniques which save energy during production or material during execution.



# Overview of the Markets



## Expertise from three different markets

**Discom is a specialist** in three key markets: the maritime sector, the energy sector and the industrial sector. Discom has fitted optimal noise and emission limitation equipment to thousands of seagoing, coastal and inland navigation vessels. We are therefore fully conversant with the additional standards which apply to a specific market segment like the navy.

**We also take account** of all aspects which are important for an optimal functioning of an exhaust system, from counterpressure and underwater acoustics to infra red detection and magnetism.

**The energy market** is another key field of work. We develop tailor-made systems for power plants, temporary and emergency power systems and combined heat and power installations. Discom systems also feature in a number of industrial sectors, in compressors, locomotive engines, Oil & Gas, pumping plants and various types of rolling stock. The Discom Effect is the constant factor in that multitude of industries, and the perfect answer to whatever question you have!



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**Colofon:**

Concept and design: Zwiers Communicatiebureau

Lithography: Studio Kaka

Photography: Chris Bones, Leon van der Reijden

Printing: Haveka



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