

The Discom Industry Effect

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The Discom Effect for the Industry

Discom has a key role in tackling many industrial installations and transportation systems. We have spent the past 35 years providing solutions for exhaust gas systems. Thanks to our long experience we can provide the right system for any advanced technical installation; whether (construction) machinery, pumping sets, compressor sets, special vehicles or locomotive engines are required. In all cases rest assured that we will have solutions that meet all the requirements (e.g. efficiency, fitness for purpose, reliability and safety) for having an optimal system. If you wish to avoid every risk, Discom is the specialist capable of offering you total solutions and related guarantees.



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Solutions for noise, emission and heat



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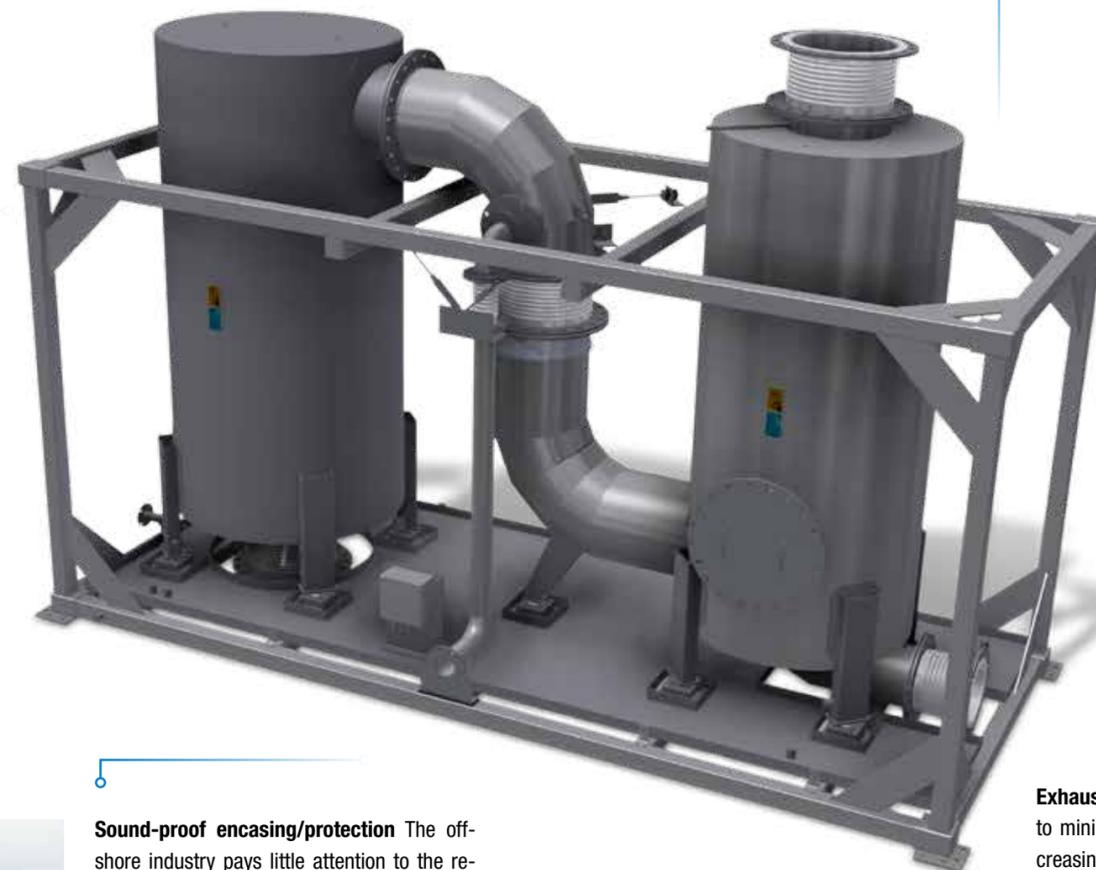
Solutions for noise, emission and heat

As the designer, builder or operator you are perfectly familiar with the significance of having reliable and safe industrial installations, special vehicles and locomotive engines. These are the characteristics typifying Discom. In over three decades we have provided hundreds of different installations with complete exhaust gas systems. Whether a single silencer is required or in fact a complete system including emission reduction, Discom will have the system that will perfectly meet your process. This process is usually about realising more efficiency while minimising the environmental burden. It is one of Discom's greatest challenges. Therefore each exhaust gas system is part of a total concept of components that cannot be separated; whether a single installation is involved, or the just-in-time delivery for the production of series.



Water-injected exhaust systems The main advantages of water-injected systems are the following: easily select the position of the exhaust pipe, economise on insulation, reduce fuel gas nuisance onboard and reduce visibility on infrared devices. Designing this system can be rather challenging, because the combination of exhaust gas and water inside an exhaust system is dangerous. Discom has long experience with this matter and is perfectly in control.

Reusing heat Hot engine exhaust gasses contain much energy, some of which can be reused. Discom offers the possibility to indeed reuse this energy, providing the exhaust system with a heat exchanger. For instance, this energy can be used for heating purposes, or to produce steam.



Sound-proof encasing/protection The offshore industry pays little attention to the relatively high sound levels in pumping areas, engine spaces and areas such as the shaker house and doghouse. Discom designs, manufactures and installs sound-proof facilities in order to protect the environment and staff from these sound sources. That is how the living conditions onboard of these installations have improved significantly.

Exhaust gas follow-up treatment In order to minimise the environmental burden, increasingly more attention is paid to exhaust emissions; removing diesel smells and soot and reducing NO_x. Applying oxidation catalysts, soot filters and SCR systems allows Discom to ensure considerable environmental advantages in new and existing engines. Usually a custom-made solution is required bearing sound, back pressure and vibrations in mind.



'Dry' exhaust gas systems Despite the space problems in the engine rooms, Discom is perfectly capable of designing 'dry' exhaust systems that will meet each and every requirement. We design and manufacture 'dry' silencers in different shapes. In doing so we guarantee optimal use of volume and good acoustic results while respecting the maximum permissible back pressure in the exhaust system. In most cases we provide an integrated and certified spark arrestor.



Good preparations determine the result

The ultimate effect of a system is usually determined at the initial stage. Making sure Discom is involved already during the designing process, means you can optimise the output of your exhaust gas system: a system with the ideal price/performance balance. Engaging Discom early enough means you can count on experienced and dedicated engineers who will take their time to perfectly understand your wishes and requirements. This most accurate approach means crystal-clear advice is guaranteed based on acoustic, typographical, FEM and CFD calculations. Also, our engineers' long experience will help them reach perfect solutions.

Certainty first

In many cases an almost impossible combination of requirements is involved. It is a challenge Discom is delighted to take on. Up to a reasonable level that is, for once the reliability and safety of your installation is at stake, you may expect us to share with you our objective opinion. Being a specialist in exhaust gas systems obviously we hold all the certificates required (e.g. ISO 9001:2008, ISO 3834-2:2005 and EN 15085-2). Also, Discom meets the valid standards that prevail in the energy sector. Bearing these advantages in mind you will realise that our expertise is firmly based. It is the foundation of an optimal solution to relieve clients. The Discom Effect

How much more certainty do you wish for?

Today industrial processes require top-notch solutions: Discom's solutions. For processes too we are capable of making exhaust gas systems more effective. It is why we recommend the Discom Effect.