



INNOVATIVE PARTNER
IN FLUE GAS &
VENTILATION SOLUTIONS

INNOVATIVE
PARTNER



INNOVATIVE PARTNER
IN FLUE GAS &
VENTILATION SOLUTIONS



M&G GROUP: A SHORT INTRODUCTION

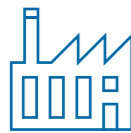
Innovative partner in flue gas & ventilation solutions

M&G Group leads the market in the development and manufacture of solutions for flue gas and ventilation. We enter into partnerships with our customers: manufacturers and distributors of boilers and ventilation systems. As a result, M&G Group contributes to cost-effective solutions in and around central heating boilers and ventilation systems. A complete range of aluminium, stainless steel and plastic products is developed by a highly-skilled R&D department. Products are tested within our own laboratory and produced with our company's ultra-modern production processes.



Turnover in 2017

>130 MILLION EURO



5 PRODUCTION SITES



>600 EMPLOYEES



The 'Skyline' roof terminal is installed on the roof of more than 1,000,000 homes

>1 MILLION HOMES



More than 10,000 products and solutions available

>10,000 PRODUCTS



Burgerhout was originally established as a shipyard in Rotterdam in 1865

>150 YEARS OF EXPERIENCE

M&G Group products are sold in:



Branches in the Netherlands, Belgium, France, Germany, United Kingdom, Italy and Turkey



Head office in Assen



R&D and test facilities in Groningen

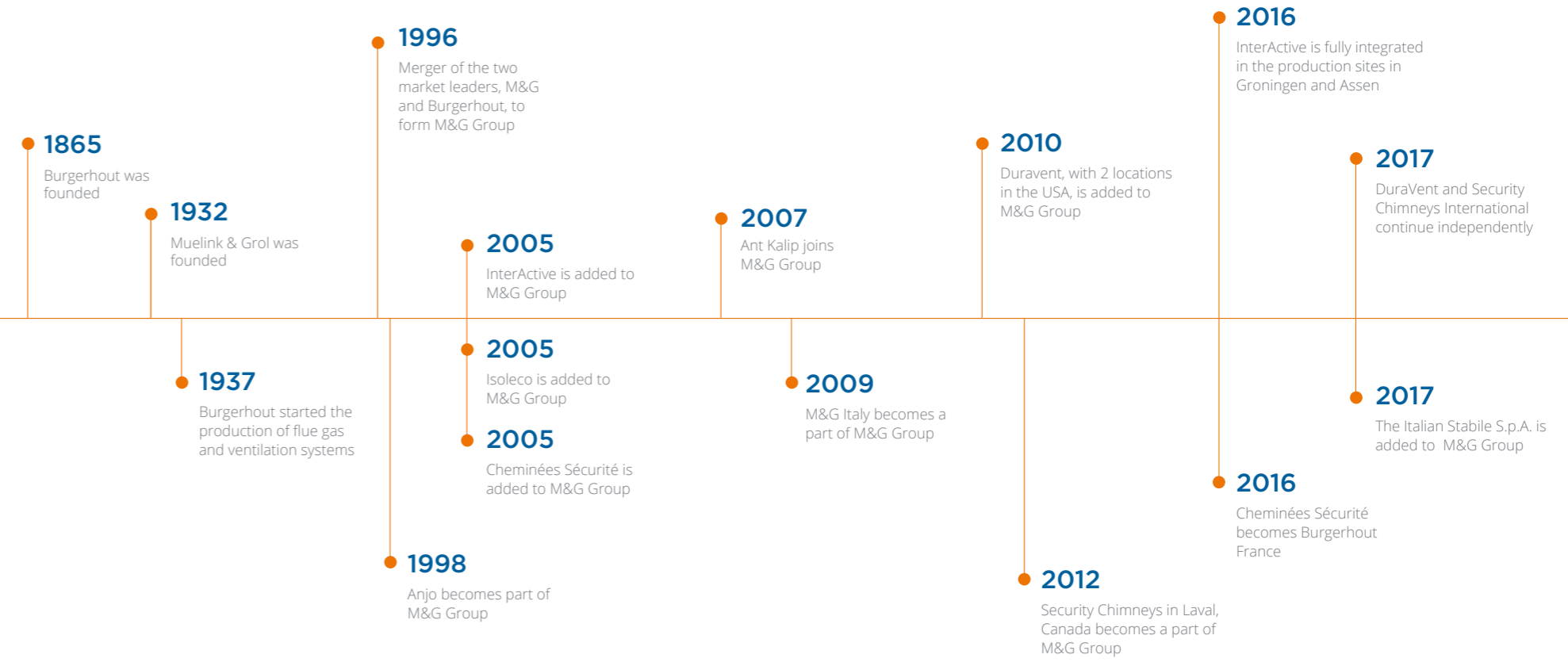


OUR HISTORY

In 1932, an installation company was started in Groningen under the name Wijma & Grol. The two plumbers, Wijma and Grol, started making products that they needed for their own installation work. They also sold these products to other installers. With the arrival of a new manager, the name of the company was changed to Muelink & Grol. In the sixties and seventies of the last century, Muelink & Grol grew into the largest producer of flue systems in the Netherlands.

Because the energy supply for a large part in Dutch households is equipped with gas, Dutch boiler manufacturers are extremely adept in developing efficient gas boilers for central heating and hot water. During the eighties – partly due to the strong domestic market – these Dutch boiler manufacturers became major suppliers to the European market. Muelink & Grol followed this development and became an authority in the development of safe systems in accordance with the national legislation of several countries. That is how Muelink & Grol ultimately claimed an important role in other European countries.

In 1996, Muelink & Grol merged with the Burgerhout company, which at that time was the most important competitor. This resulted in M&G Group. Burgerhout had been active as a shipyard since 1865 and after the move from Rotterdam to Assen in 1937, the company began to specialise in flue gas and ventilation systems. The merger between the two companies was the beginning of a process of internationalisation and expansion. Over the past twenty years, several companies specialising in flue gas and ventilation systems have been added to M&G Group and now form one organisation.



INNOVATIVE PARTNER

To remain the market leader in Europe, innovative ability is crucial. To achieve this, we use an innovative roadmap in three steps: optimization (short-term), development (medium-term) and creation (long-term).

Own know-how and R&D

The accumulated know-how and R&D facilities are extremely important to M&G Group. Our R&D department in Groningen consists of more than twenty highly-educated engineers. Furthermore, we have our own test facilities and specialised engineers working at our various production sites. Together these teams ensure the innovative ability of our company. The M&G Group laboratories meet the highest European and American standards. Our test reports are accepted by almost every approval body.

Test facilities

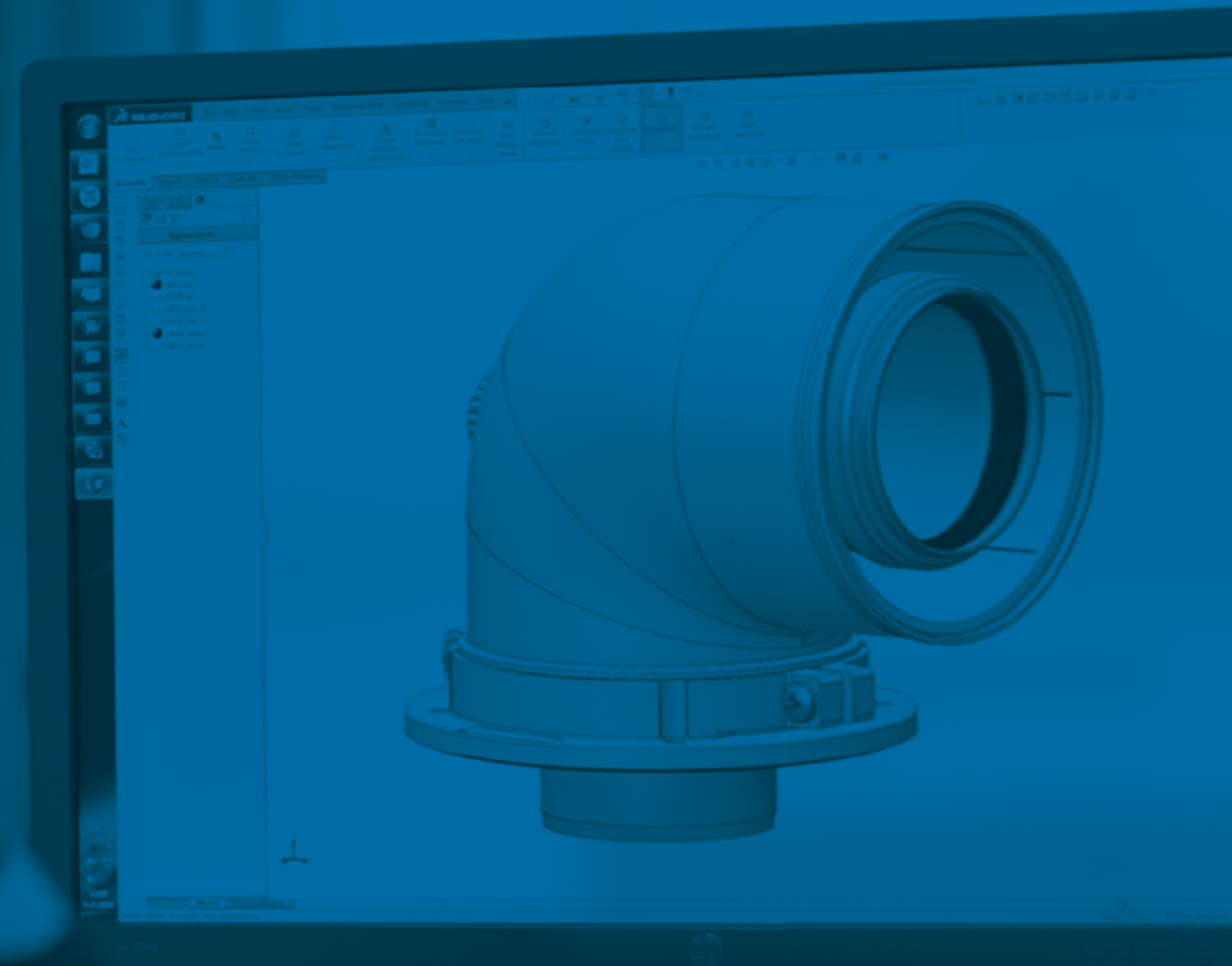
Our test facilities are ultra-modern. With the aid of various test methods, a 'tailor-made' flue gas system can be designed for each boiler. In an accurately calibrated wind tunnel is determined that there is no recirculation of combustion gases into the air supply. Pressure differences under different wind angles and wind forces can also be measured accurately. With the aid of a sprinkler system, it is determined whether outlets remain free of rainwater at different directions of the wind. And in a special

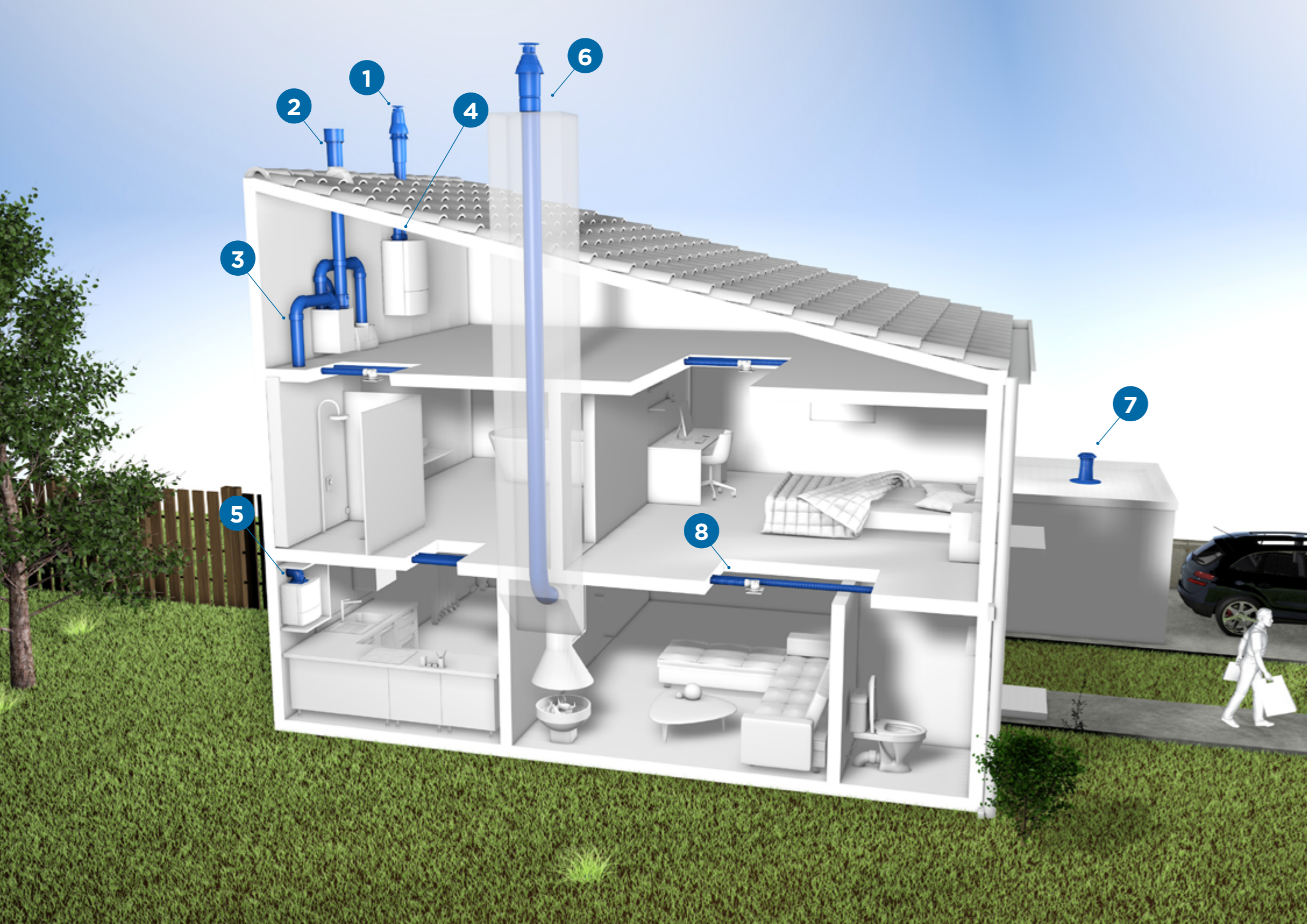
freezing chamber where temperatures reach below -20°C, outlets are developed which also remain free of ice formation in practice. In addition, M&G Group has a controlled and accredited measuring chamber, in which our products can be tested on material properties and dimensions.

Partnerships with customers

We give advice and training to our distribution partners and installers and work together with our OEM partners on development, testing and production of parts for boilers. Our R&D engineers can support in determining the chimney lengths in combination with their boiler according to European and American regulations. Our laboratories also help the boiler manufacturer to find the right flue gas system for their boilers in each specific market.

We always take our customers' demands into consideration and try to achieve improvements whereby working with our products becomes even easier. In addition to product development and R&D, we are also innovative in the field of digitization, production facilities and integrated supply chain solutions.





OUR SOLUTIONS FOR HOMES

Under our brands M&G, Burgerhout, Anjo, Isoleco and Stabile, we offer a complete range for flue gas systems, air supply and air distribution (ventilation) for homes. We also supply specialised components for high-quality gas and wood stoves to leading manufacturers in the European market. Lastly, we have a range of products for rainwater drainage.



1 Skyline roof terminal



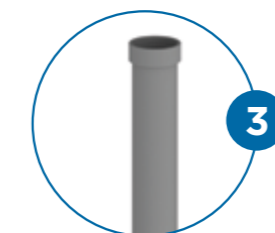
5 Wall terminal



2 Insulated roof terminal



6 Roof terminal for fire-place



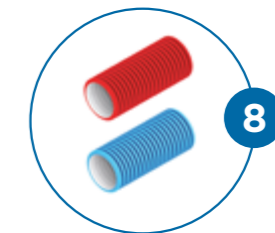
3 Insulated ventilation extension



7 Flat roof air terminal



4 Concentric flue system



8 Flexible ventilation duct and grilles

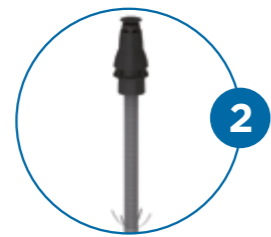
Note: the products shown represent only part of our range.

OUR SOLUTIONS FOR MULTIPLE DWELLING CONTRUCTION

Under our brands M&G, Burgerhout, Anjo, Isoleco and Stabile, we also offer a complete range for flue gas systems, air supply and air distribution (ventilation) for properties with multiple dwellings. For flat roofs, we offer wind-driven fans and cable terminals.



1 Cable terminal



2 Flexible flue system



3 Wind driven fan



4 Outer wall system



5 Fire collar



6 Cascade system

Note: the products shown represent only part of our range.



OUR CUSTOM-MADE SOLUTIONS

Together with our OEM partners, we develop custom made products and parts for boilers. These components are developed, tested and produced in close collaboration. These specialised products are marketed under the brand names of our OEM partners.



1

Vertical concentric boiler adapter



2

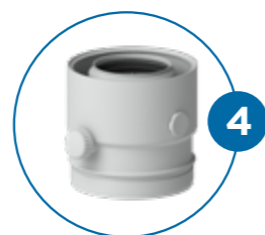
Internal boiler parts



3

Condensate dish for heat exchanger

Note: the products shown represent only part of our range.



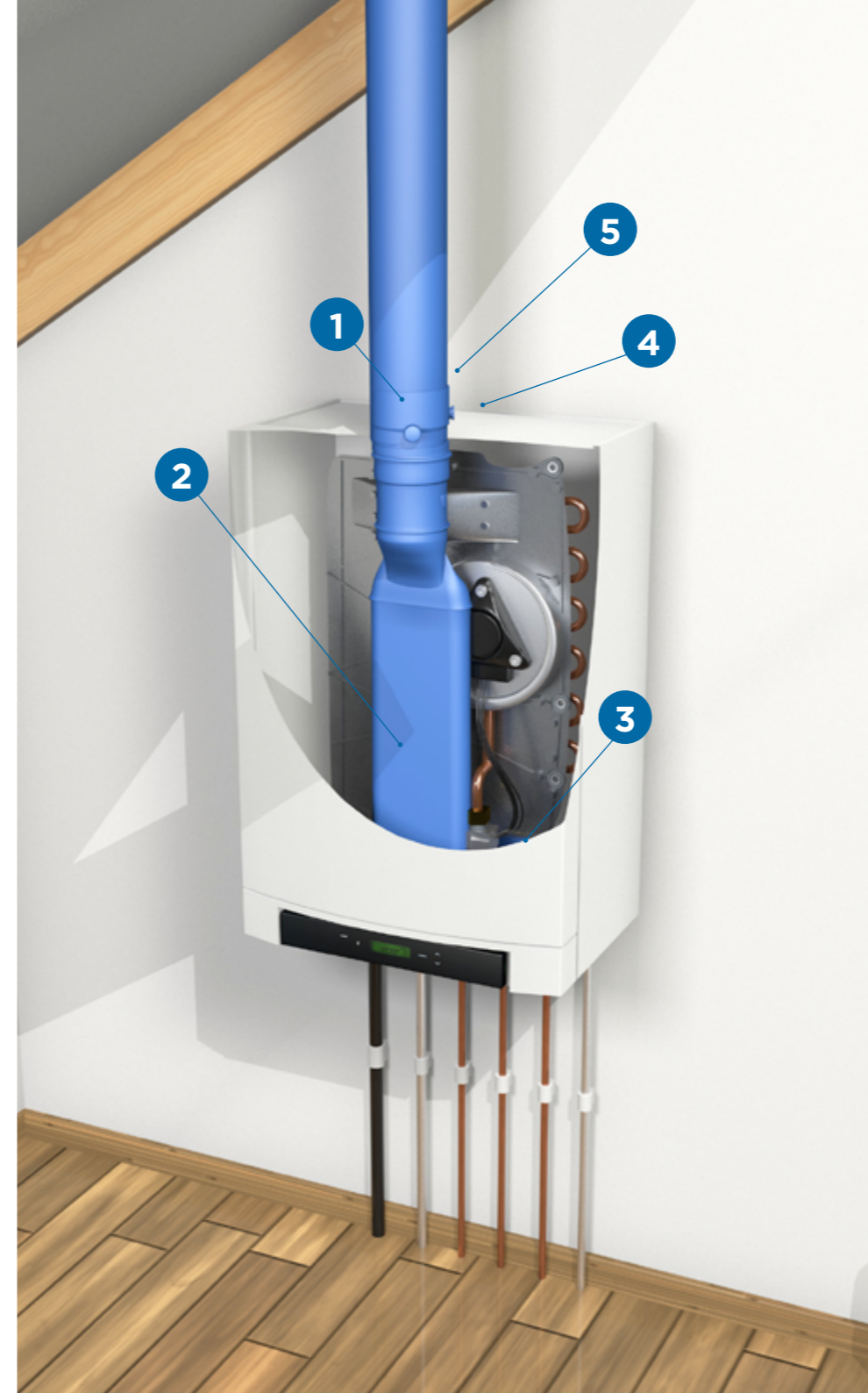
4

Generic vertical boiler connector



5

Generic line boiler adapters



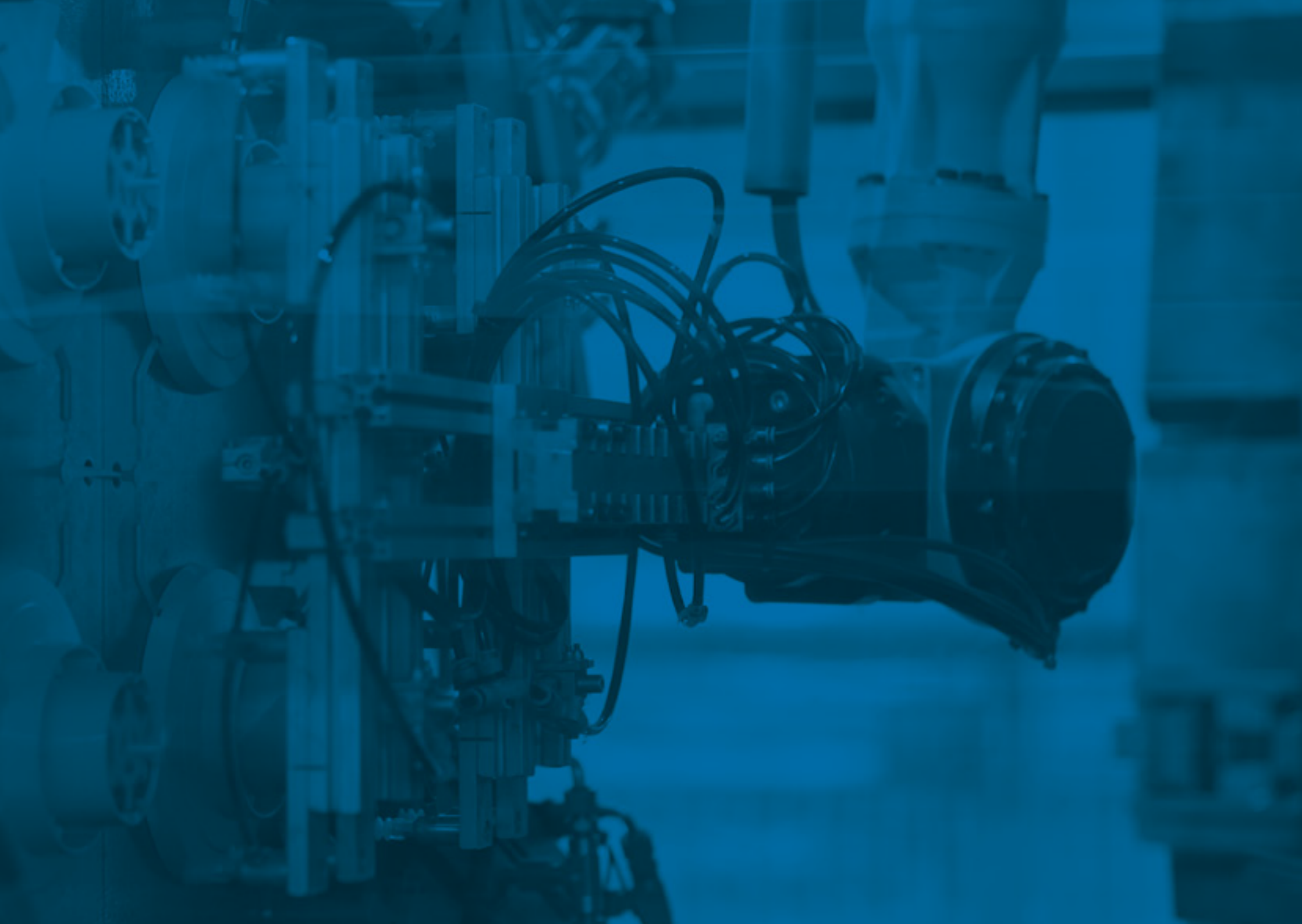
THE SPECIALIST IN SOLUTIONS FOR:

Condensing boilers

With more than twenty years' experience in condensing technology in Europe, M&G Group is an expert in supplying the right products regarding HR condensing boilers. These modern condensing boilers are already mandatory in the Netherlands and in a large part of Europe and are becoming increasingly popular worldwide. Condensing boilers extract the maximum amount of energy from the gas and have the additional important advantage that they emit lower emissions, which significantly reduces the environmental impact.

Non-condensing boilers

M&G Group also supplies parts and flue gas solutions for non-condensing boilers and air heaters. These are available for domestic use as well as for commercial use with higher temperatures. The parts are made of aluminium or stainless steel, because the flue gas temperature in non-condensing boilers can typically reach 100°C and in industrial boilers even 200°C or more. For these boilers, M&G Group offers both a single-wall flue gas system and a concentric system.



MODERN PRODUCTION FACILITIES

Production sites

M&G Group has four production sites in Europe and one in Turkey and invests in modern machines according to the latest technology. Robotization is being applied on an ever-increasing scale and efficiency is central to the design of our production sites. The scale of M&G Group means knowledge and experience can be shared and offers the advantage that the various sites can make use of each other's know-how in this field. The sites guarantee the production of more than 10,000 different aluminium, stainless steel and plastic products, which find their way to markets within Europe and beyond.

High quality requirements

We set the highest quality requirements for our products. Furthermore, our products and services comply with applicable European directives and standards and local requirements. We are continuously improving our company by applying the latest technologies and investing in the development of our employees.

A selection of the certifications that different production sites and products meet:



OUR ATTENTION TO SUSTAINABILITY AND CSR

M&G Group attaches great importance to sustainability and CSR (Corporate Social Responsibility). The care and protection for the environment is integrated into our daily activities. We attach importance to the involvement of all persons working for and on behalf of M&G Group. Sustainability is one of our values: we are aware of the environmental challenges facing our planet and act responsibly. We are focused on the long-term future of M&G Group.

Through the implementation of an environmental management system according to the ISO 14001 standard, we strive for continuous improvement of the environmental performance. Where waste products are generated, we will always dispose and recycle these in a responsible manner. This also means that during the production, sale and delivery of the product, raw materials and energy are consumed as little as possible.

The health of the employee comes first. That is why we always keep in touch with the ergonomic, safety and occupational hygiene aspects when renewing and replacing work equipment. The objective is that employees are well-informed, with sufficient awareness for sustainability and CSR, and can work willingly and well within M&G Group.



OUR VALUES

Our values give us a guideline for the organisation we want to be, they provide a framework for daily decisions and help us to enjoy our work. The following core values indicate what we consider important within M&G Group:



Respect

We deal with each other and our customers with respect & integrity.



Partnership

We aim for partnership relations with our customers, and cooperation between departments and locations is naturally.



Sustainability

We are aware of the challenges facing our planet, and act responsibly. We are focused on the long term future of M&G Group.



Safety and security

Paramounts for our employees, products and processes.



Entrepreneurship

We take ownership and show initiative, and focus on the end-results with everything we do.





VISION FOR THE FUTURE

Energy transition

M&G Group is preparing for the future. The energy transition as laid down in the Energy Agreement, is a development that has consequences for our company's product range. We are already working hard on this in our choices within R&D and in the cooperation with our partners. The road to a fully sustainable energy supply, for example, could be through hybrid systems that function within the current infrastructure of heat and energy supply. Furthermore, solutions such as heat pumps will play an important role. We see M&G Group playing a major role in these various solutions in the coming decades.

Sustainable construction

Residential construction is increasingly focused on sustainable and energy-efficient construction. These well insulated houses cannot do without a ventilation system. We therefore expect the demand for ventilation systems to continue to grow.

INNOVATIVE
PARTNER

Innovative partner in flue gas & ventilation solutions

Doctor A.F. Philipsweg 39 - 9403 AD Assen - The Netherlands
T: +31 592 343 043
E: info@mg-group.com

mg-group.com

