

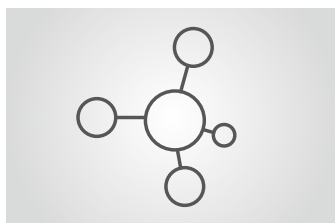


## We think and act long term

Sustainability is one of our corporate values: the world's resources are limited and our local actions have global effects. So our current economic activities must also take our future conditions into account. We therefore derived product properties for the pedestrian gates of our FlowMotion® series based on the higher-ranking value 'sustainability': a long service life, high energy efficiency, pollutant-free production, and openness for future developments.

## mDure: the material that creates sustainability

In order to achieve this objective, we use the 2-component material mDure to produce all the housing parts of our pedestrian gates. Its production and processing require little energy, while its chemical composition and high mechanical strength make it suitable for long-term use. It does not emit any polluting substances into the environment. It contains neither softening agents nor solvents and is easily reused or recycled without releasing pollutants.



### Energy-efficient production

The 2-component material mDure is a polyurethane made by linking polyols and isocyanates to create long chain molecules. Little energy is required to produce the source materials or the housing parts.



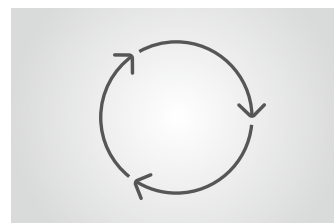
### High strength

mDure is designed for a long service life. It offers mechanical strength and is highly resistant to scratches, impacts and wear. In chemical terms, it is extremely stable and is unaffected by disinfectants, cleaning agents, aggressive chemicals, UV radiation or corrosion.



### Pollutant-free

mDure is pollutant-free: it does not contain any softening agents or solvents that are emitted into the surroundings. It can also be burnt without burdening the environment.



### Easy to recycle

mDure is easy to recycle: it can be used as the source material for new products, and can even be turned back into its original constituents. It is also easy to thermally recycle, with an energy content approximately equal to coal.

# Sustainability

in every detail

## The control unit

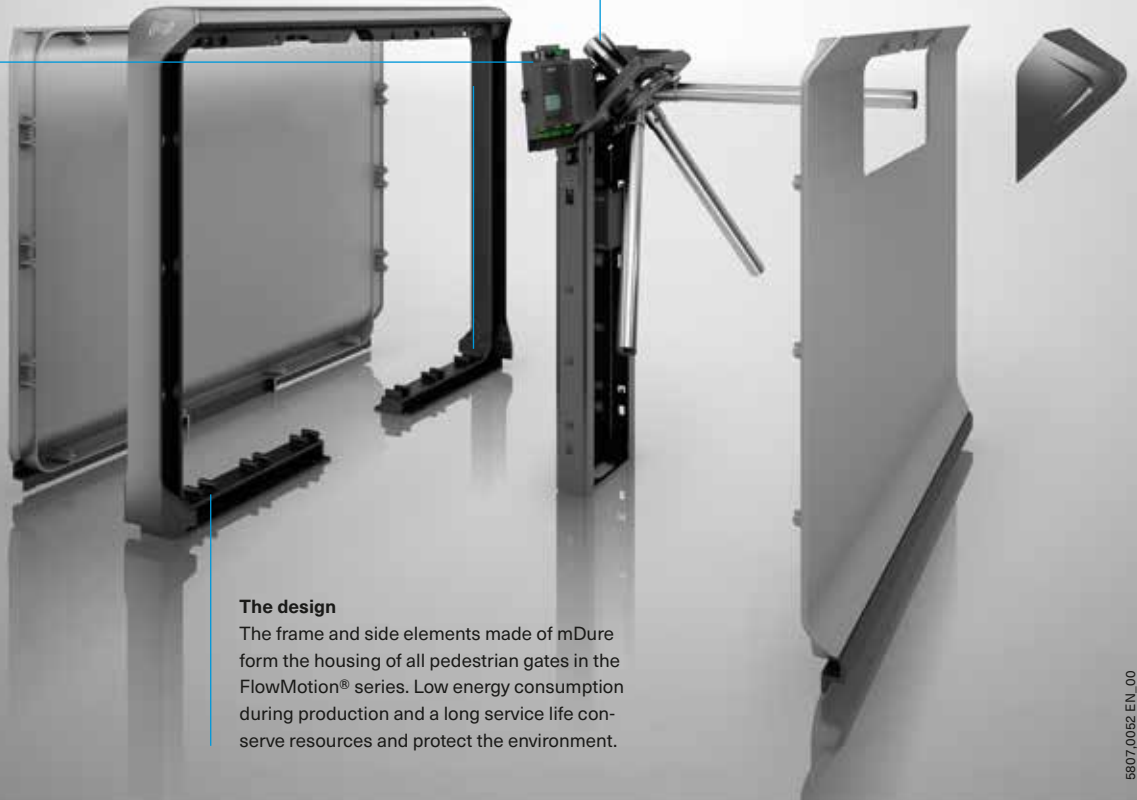
The control unit is at the core of every FlowMotion® gate. It is already enabled for future applications – with numerous communication and bus systems.

## The design

The frame and side elements made of mDure form the housing of all pedestrian gates in the FlowMotion® series. Low energy consumption during production and a long service life conserve resources and protect the environment.

## The drive unit

MHTM™ drive technology – proven 100,000 times over – operates without maintenance and is both energy-efficient and quiet. It forms the basis for a long service life and is designed for more than 10,000,000 opening and closing cycles.



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## Our technology: the guarantor of durability

Sustainability is not merely a matter of the materials used, but also the technology. The same drive and control technologies are used in all the pedestrian gates of the FlowMotion® series and in all the barriers in our current generation of MHTM™ MicroDrive products. They have proved themselves 100,000 times over and ensure that new products also offer long service. The drive unit consists of a brushless DC motor that forms the basis for long-term maintenance-free, quiet and energy-efficient operation.

The control unit monitors the passage process and regulates the motor. It is already enabled for future applications with numerous communication and bus systems.

The design of products for a long service life is a major element in our sustainability strategy. Most of the so-called grey energy is consumed during production of our pedestrian gates so the longer they are in operation, the more sustainable their energy balance.



### Long service life

Our drive and control units are designed for maintenance-free operation with 10,000,000 opening and closing cycles. As a result of the long service life, the grey energy consumed during production becomes almost irrelevant.



### Low energy consumption

Our drive units guarantee impressive dynamism with extremely low energy consumption – both during movement and in standby. Operation of our pedestrian gates is therefore not only environmentally friendly, but also offers lasting economic efficiency.



### Free passage for climate protection

It is not just Magnetic's products that offer greater sustainability. As part of the Magnetic Pro Nature Initiative, CO<sub>2</sub> emissions resulting from employee flights are also offset – with 1,000 trees planted near our headquarters in Schopfheim (in southern Germany) every year.