

# Our contribution to sustainability and to meeting the Paris COP21 targets

The 2015 United Nations Climate Change Conference concluded in Paris. Known as COP21, it negotiated a historic and unprecedented global agreement that aims to reduce climate change. The main target is to limit global warming to less than 2 °C relative to pre-industrial levels.

Now that this important new framework is in place, we are looking forward to putting our whole weight behind working with cities, politicians and other companies to extend the use of energy saving solutions that benefit both the climate and the economy.

Underlying all this work is the idea of energy sustainability, which is where CG Drives & Automation can make a major contribution as a greentech company. As a business, we put all our energy into saving yours. This is not an empty slogan, but honestly reflects our core activity: improving energy efficiency in industrial processes to reduce both their consumption of electrical energy and their overall carbon footprint.

Our Emotron solutions not only save energy, but also reduce dependence on fossil fuels and hence also reduce carbon emissions. The cost savings and environmental advantages benefit both our customers and society in general.

We constantly invest in innovation and product development across many application areas to our customers meet the challenges they, and indeed all of us face. We invest to make a difference, and you will find us doing precisely that wherever our Emotron solutions are used.

To provide a couple of examples, our variable-speed drives are improving oxygenation during the biological treatment of wastewater, and we are doubling the capacity of a municipal groundwater pumping station while saving energy. The energy saving by using AC drives for speed control in pump applications instead of throttling valve control, can typically be around 50%. With Emotron FlowDrive for controlling waste water pump stations you save up to 30% compared to on/off control.

Let us help you save costs and the environment; if we work dedicatedly together, we will succeed in meeting the ambitious targets set in Paris.

We put all our energy into saving yours!



# Secure your process & save energy with Emotron solutions

We offer energy efficient solutions, based on our dedicated drives. This ensure safe and cost-efficient operation of demanding industrial applications. And often also big energy savings. Our focus is in these different application areas, presenting the main benefits for each.

## Water & waste water handling

Typical pump application where we ensure energy efficiency and less maintenance

**Up to 30% energy savings**

with our dedicated Emotron FlowDrive for sewage pump stations

## Power plant

Our dedicated drives are easy to use and ensures energy efficiency

**About 50% energy savings**

in pump applications

## Building automation heating & ventilation

Energy efficiency with our compact bookcase drive type products. Complete drive systems for rotary heat exchanger.

## Crane

Ensures safe and cost-efficient operation of your crane. High uptime and a longer service interval. Dedicated crane drive options available.

## Marine

Ensures safe, smooth and cost-efficient operation of electrically powered equipment on board

**About 50% energy savings**

in typical marine pump applications

## Infrastructure

Ensures the process efficiency and electricity quality with low harmonic drives

## Material handling

Harsh operating and extreme environmental conditions. Heavy loads. You can rely on our robust products, easy to use and always with hi uptime.

