

# FIVE ECO-FRIENDLY TECHNOLOGIES FOR INDUSTRY

1

## RENEWABLE ENERGY

Some manufacturers have already started integrating renewable energy sources such as wind or solar power into their energy supply mix to help cope with increasing energy needs.

2

## REGENERATIVE BRAKING

Regenerative braking units can be mounted on electric motors to capture kinetic energy, which is then stored in a battery as electrical energy. The technology is increasingly popular in transport, elevators and any other applications that use a stop and start mechanism.

3

## ECO OBSOLETE TECHNOLOGY (EOT)

Not all obsolete products are energy-intensive. The term Eco Obsolete Technology refers to technology that is compliant with energy efficiency standards despite being obsolete. By using EOT, manufacturers ensure a low carbon footprint, while also sending fewer obsolete components to landfills.

4

## INDUSTRIAL SYMBIOSIS

Industrial symbiosis is the process where the waste product from one industrial process is used as a raw material for another. This reduces the amount of waste and carbon emissions and can open up a new revenue stream for companies passing on their by-products or waste products.

5

## WASTE HEAT RECYCLING

Energy intensive processes often generate excess heat, so industrial applications are not able to convert 100 per cent of fuel into power. Wasted thermal energy is produced in many industrial processes.