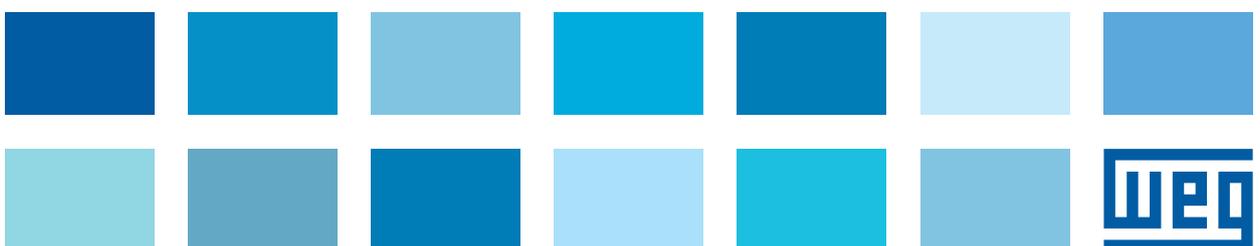


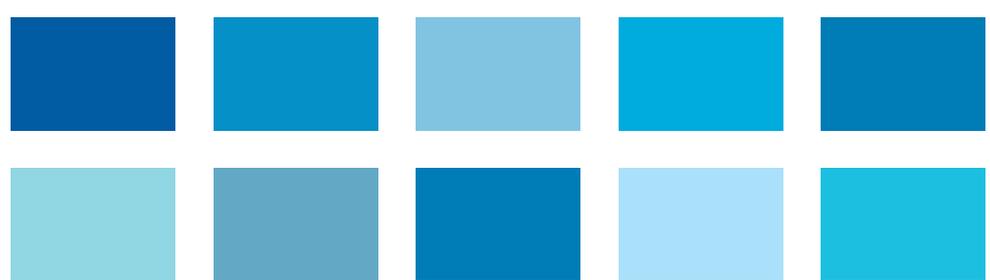
Turning green to black

How our environmental credentials
enhance your bottom line





WEG manufacturing facilities are highly efficient, modern, sustainable, fully automated plants.



The driving force

Environmental awareness is a relatively new consideration for many manufacturers. Within the electric motors industry in particular, the increasing emphasis on energy efficiency – and the legislation being progressively introduced around the world to enforce it – is concentrating the minds both of motor manufacturers and their customers.

For WEG, sustainable manufacture and care for the environment have been concerns and commitments for many years. The latest legislation only serves to emphasise how ahead of our time we have always been.

The growing attention paid by governments worldwide to industry's carbon footprint in general, and the energy use of motors in particular, is well-deserved. Electric motors account for as much as 70% of industry's energy usage. However, this should not be seen as a negative. It simply means that by choosing the right electric motors, you can make a dramatic difference to your carbon footprint. Better still, reducing your carbon footprint in this way will also help to reduce your energy bills and increase your profitability.

As one of the world's largest manufacturers of electric motors – and the one which has long led the way in sustainability – WEG is ideally placed to help you help the environment and your own bottom line.

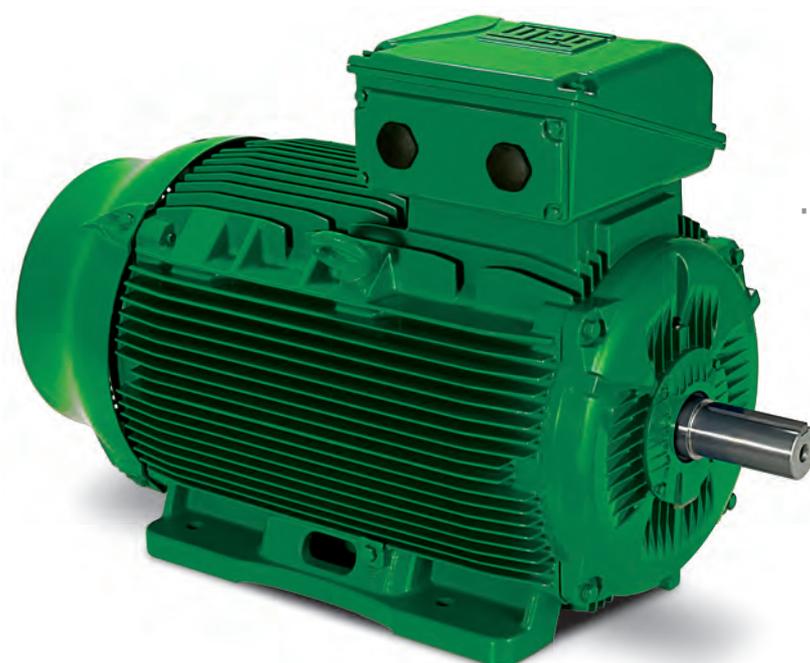
Energy efficiency is our business

Being energy efficient is not merely environmental 'greenwash'. At WEG, we prefer to think of it as 'eco-nomics'.

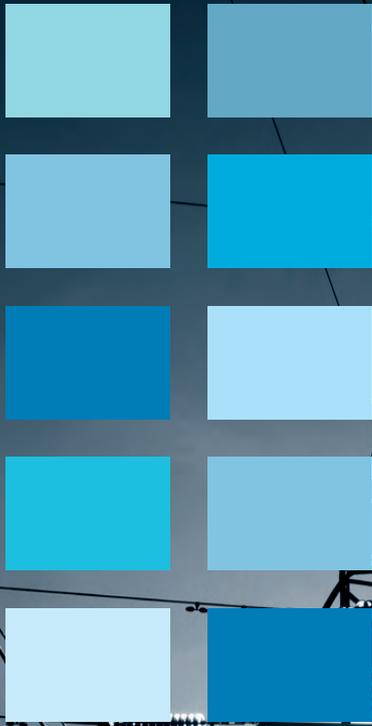
This means that making the right environmental decisions, and taking the right environmental actions (the 'eco' element) can have strongly positive effects on your business's profitability (the 'economics' element).

With this in mind, we have always led by example. Our own commitment to sustainability in our production processes is long standing. And our design and development of highly energy efficient electric motors goes from strength to strength.

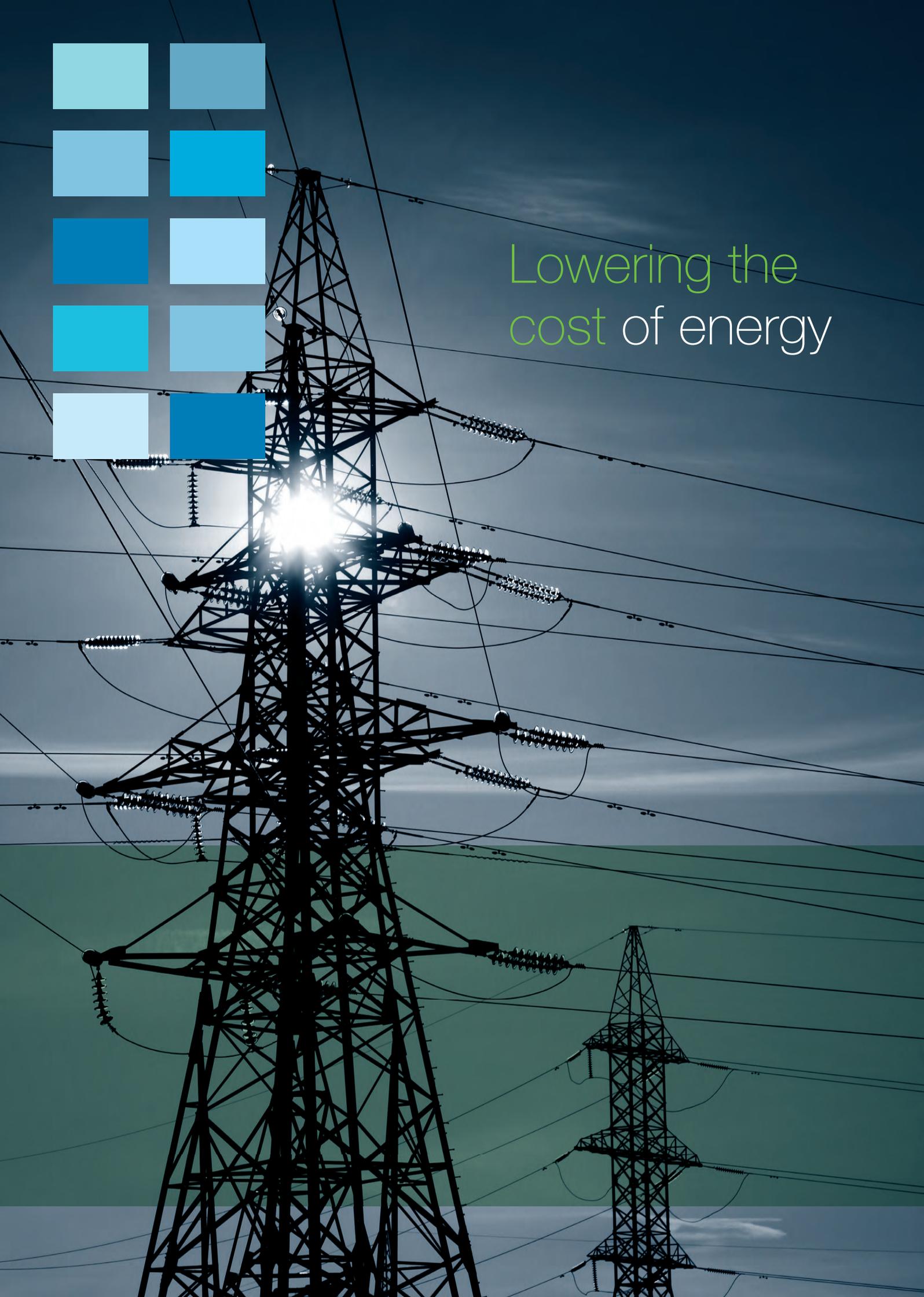
So, with WEG as your driving force towards greater energy efficiency, being green is one of the most effective ways to help you keep your bottom line in the black...



...we call it **WEGnology**



Lowering the
cost of energy



Businesses are a major contributor to the world's carbon emissions. Not surprisingly, governments worldwide are now legislating, or planning to legislate, to reduce these emissions, to penalise businesses which fail to do so, and in some cases to reward those that do.

Energy is already one of the largest costs for most businesses. Now, with the introduction of these penalties, it is set to represent an even larger portion – unless effective steps are taken to cut wastage.

One way to do so is the use of more energy efficient electric motors. WEG electric motors offer such high levels of energy efficiency that the return on investment, in most continuous production environments, can often result in the equipment paying for itself in little more than a year, in addition to the savings it delivers in CO₂ emissions.

W22 – up to 40% less energy loss

The new, exceptionally energy efficient, W22 range can shorten the payback term even further, and deliver an even higher return on investment.

- Constant efficiency from 75% up to nominal load
- Energy loss reduction between 10% and 40%
- Exceed all IEC energy efficiency levels (see below)
- High performance
- Maximum durability
- Easy maintenance

IEC 60034-30 energy-efficiency standard

This proposed standard for energy efficiency defines three minimum standards:

IE2 High Efficiency

Supersedes CEMEP EFF1 in 50Hz.

IE3 Premium Efficiency

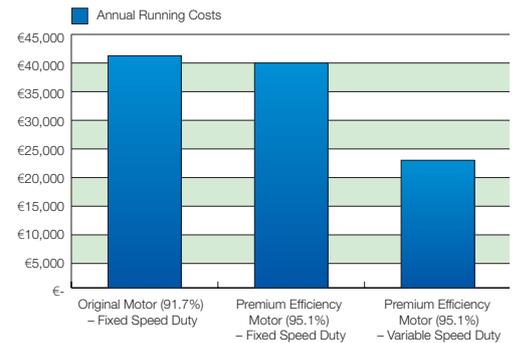
Defined as losses of 15-20% compared to limits of High Efficiency in IE2.

IE4 Super Premium Efficiency

This standard has been reserved for future definition and use.

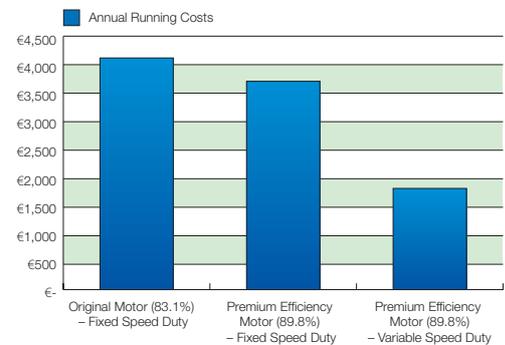


Annual cost savings for a typical 45kW Pumping System utilising an upgrade to a Top Premium Motor & Variable Speed Drive.



Annual cost reduction of **€22,811** per year which results in a saving of **97.8 tCO₂***

Annual cost savings for a typical 4kW Ventilation Fan utilising an upgrade to a Top Premium Motor & Variable Speed Drive.



Annual cost reduction of **€2,119.40** per year which results in a saving of **8.16 tCO₂***

* Annual running costs are calculated based on €0.10/kWh operating 24/7.

Sustainability at every stage

Producing highly energy efficient motors is only part of the WEG sustainability story. Those motors also have to be manufactured in a sustainable way, to ensure our own carbon footprint and any negative environmental impact are as small as possible.

The WEG Group policy is to:

comply with all applicable environmental legislation, commit to continuous improvement by establishing environmental goals and targets, act preventatively with the aim of protecting the environment where our products operate.

As a result, WEG is one of only 28 corporations included on the Brazilian Stock Exchange's Corporate Sustainability Index, which lists companies with high levels of excellence in economic, financial, social and environmental aspects of sustainability.

WEG manufacturing is an almost entirely carbon neutral process and adheres to ISO 14001.

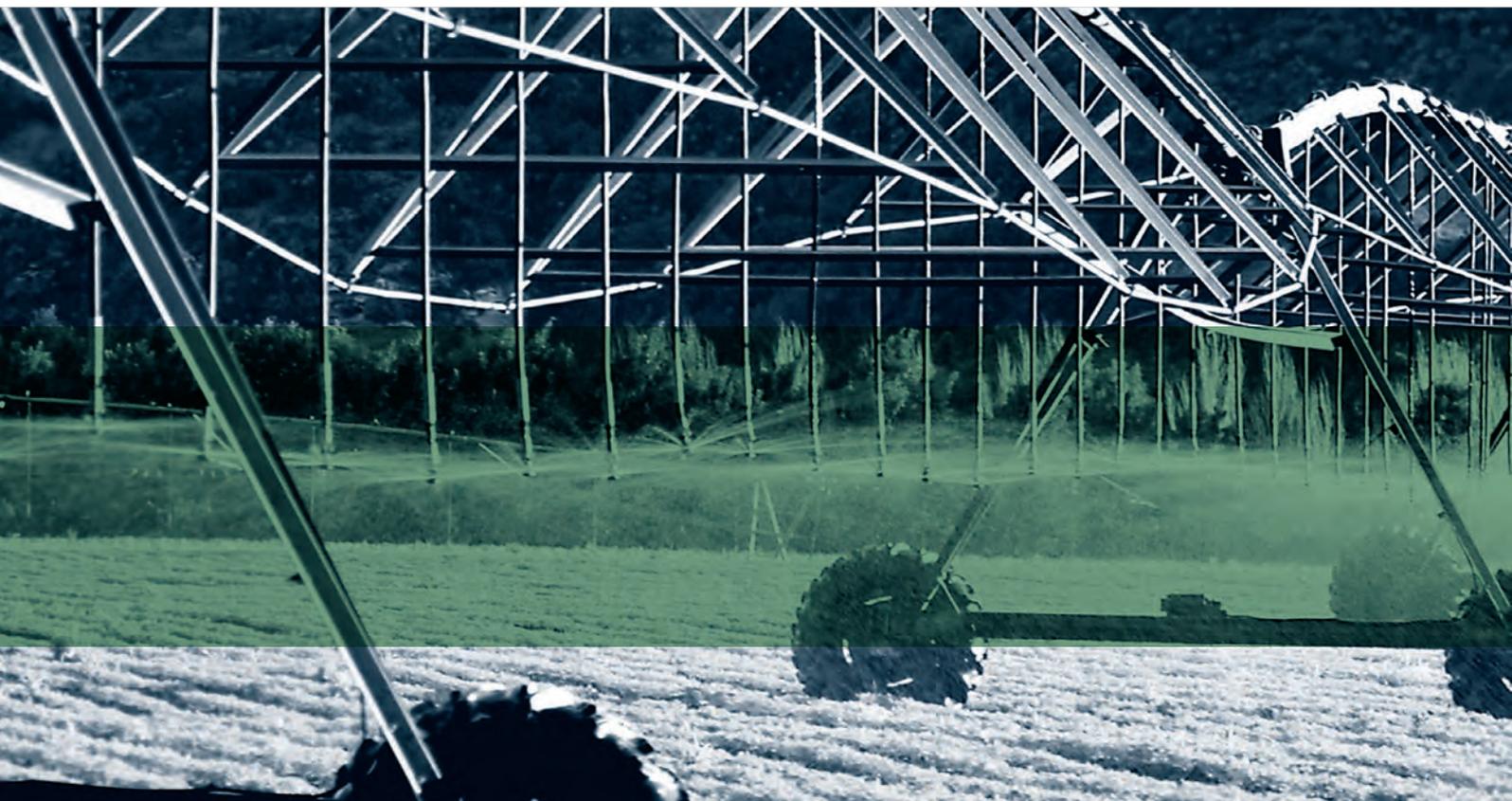


Carbon neutral

WEG has a team dedicated to reducing the company's carbon footprint. Their efforts and initiatives have led to making WEG a virtually carbon neutral operation.

For example, WEG has planted around 7,100 hectares (over 17,500 acres, or 72 million square metres) of forest, which has the triple environmental benefit of offsetting the company's carbon emissions, providing a natural resource for materials such as timber, varnishes and resins, as well as enhancing the natural environment. At the same time, waste wood from processing the timber is used to generate electricity from steam, adding a fourth dimension to the sustainability of the process.

WEG's own analysis of the emissions during the lifecycle of a W22 High Efficiency three-phase induction motor (rated 45kW, 4 poles, 225 S/M frame, with 92.6% efficiency) shows that 98.95% of the global warming potential occurs during the usage phase, rather than the manufacturing phase.





WEG has its own 72 million m² forest

Re-use, recycle, restore

100% of our sub-products – such as wood scraps, shells and wood dust – are re-used, and all water used by WEG's manufacturing facilities is recycled. All waste water used in industrial processes is treated in one of our three treatment stations, attached to our manufacturing sites.

Water used at our saw mills – for sewage, boiler cleaning and gas cleaning – is treated using a natural soil system. This removes almost all sediment, solids, and oxygen demanding bio-chemicals and chemicals. As well as avoiding pollution of rivers, the system is intended to help conserve and restore the local forest.

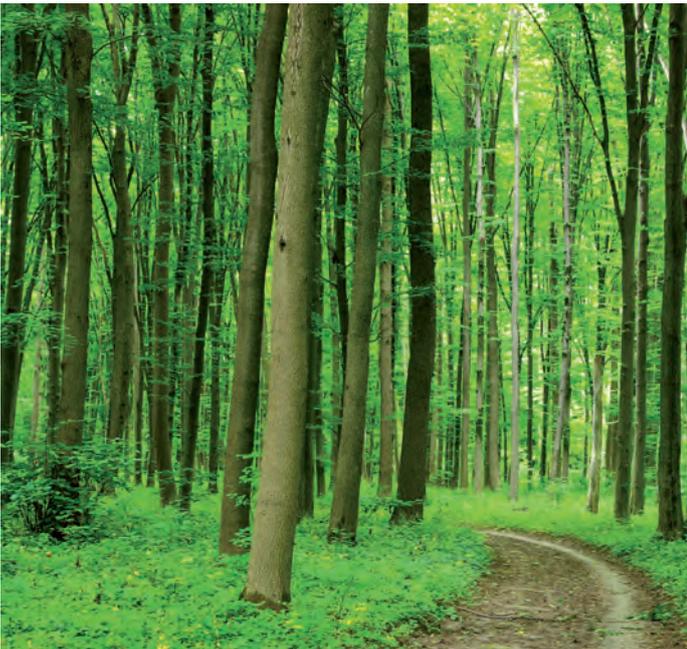
At the same time, foundry scrap is dealt with in a scrap deposit, built in accordance with legislation and incorporating an on-site sewage treatment system. As a result, 75% of the raw material used in the casting process (manufacturing frames, covers, flanges, terminal boxes and all other cast iron parts) comes from steel scrap. The remaining 25% of steel scrap is sold to third parties.

Less waste wasted

- 96.3% of waste from WEG production processes is sent for recycling
- 2.6% is used internally
- 1% (sand from the casting process) is sent to WEG's own industrial landfill
- 0.1% of waste is sent to external industrial landfill (2008 figures)

Investing for a sustainable future

WEG invests a proportion of our Net Operating Revenues (2.5% in 2008) on research and development. This will help produce solutions which solve industry's problems today, without creating environmental problems tomorrow.



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