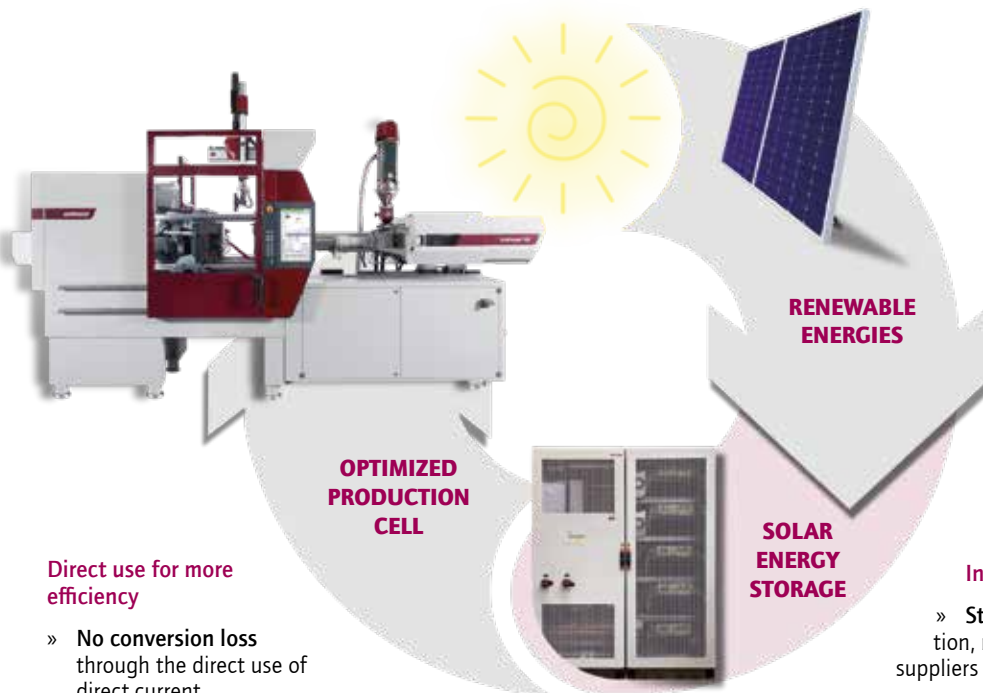


DC technology

Direct Current as energy source

The WITTMANN Group is the first manufacturer of turnkey systems to offer machines and production cells able to make direct use of energy from renewable sources such as photovoltaics. Using a local DC Microgrid such as supplied by innovenergy AG, the injection molding machine, as well as robots and temperature controllers, are powered directly by solar energy via a DC intermediate circuit. In addition, storage batteries can be used, so that any excess energy, for example solar power, can be stored efficiently for effective use later on.



More Sustainability

- » **Direct, efficient use of renewable energy sources:** through the direct use of direct current
- » **Conservation of resources and reduction of investment costs** by up to 50% savings of copper
- » **Reduction of CO₂ emissions (Greenhouse Gas Protocol Scope 3)** makes a contribution to climate protection

Direct use for more efficiency

- » **No conversion loss** through the direct use of direct current
- » **Optimal use of the deceleration energy** of the machine and the WITTMANN robot
- » **Elimination of reactive current transmission** leads to increased efficiency

Increasing stability and reducing costs

- » **Storing energy:** increases self-consumption, makes you less dependent on electricity suppliers and reduces electricity costs
- » **Peak Shaving:** more even energy distribution and prevents network overloads
- » **Security of supply through bridging of power failures and controlled production stop** in cases of prolonged power grid failure through integrated power storage batteries

Your support is our priority!

We provide a small CO₂ footprint and efficient energy use – fast, reliably and proficiently.

Are you ready for our DC technology?

Your WITTMANN partner is looking forward to hearing from you.

