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Digital technology and sustainable development: shaping industry's future

Ecodesign, digital twins and the circular economy: insights and inspiration

INDUSTRY AND SUSTAINABILITY:

10 KEY TAKEAWAYS

1 ► Reducing industry's carbon footprint
Industry can help reduce global carbon emissions to achieve carbon neutrality by 2050.

2 ► Embracing the economy circular
Adopting circular business models translates into more sustainable resource management and more sustainable products and services.

3 ► Ecodesign
Digital solutions optimize product design by minimizing the use of hazardous materials and improving energy efficiency.

4 ► Technological innovation
Using digital tools like virtual twins paves the way for innovative sustainability solutions.

5 ► Enhanced competitiveness
Integrating sustainability into corporate strategy can create responsible prosperity — and strengthen market competitiveness.

6 ► Corporate Social Responsibility (CSR)
By committing to sustainability, companies meet consumer and stakeholder expectations for greater corporate social responsibility.

7 ► Regulatory compliance
Directives like the CSRD make industry more accountable for its impact on sustainability — encouraging even more sustainable practices.

8 ► Learning and education
Effective change hinges on educating and raising awareness among everyone in industry on the issues around sustainability.

9 ► Collaboration and partnership
Cooperation between industry, government, NGOs and civil society is crucial for sharing best practices and achieving sustainability goals.

10 ► Optimal use of resources
Digital technology helps reduce waste and optimize the use of materials, resulting in more efficient and sustainable resource management.