











Online Workshop/Webinar on Role of Standards & Policy in Resource Efficiency and Circular Economy Transition in India and the EU

January 21, 2022, at 14:00 – 17:00 Hrs. (IST) / 09:30 – 12:30 Hrs. (CET)

Smart Electrification, Automation and Digitalization for Sustainability







FU-R







Siemens' commitment to sustainability

Our DEGREE framework sets clear priorities

Employability

enable our people to stay resilient and relevant in a constantly changing environment

Equity

foster diversity, inclusion, and community development to create a sense of belonging

Resource efficiency achieve circularity and dematerialization



Decarbonization

against global warming

support the 1.5°C target in the fight

Ethics

with care

conduct

SESEL

CENELEC "

Governance

foster a culture of trust, adhere to

ethical standards and handle data

apply state-of-the-art systems for

effective and responsible business

SIEMENS



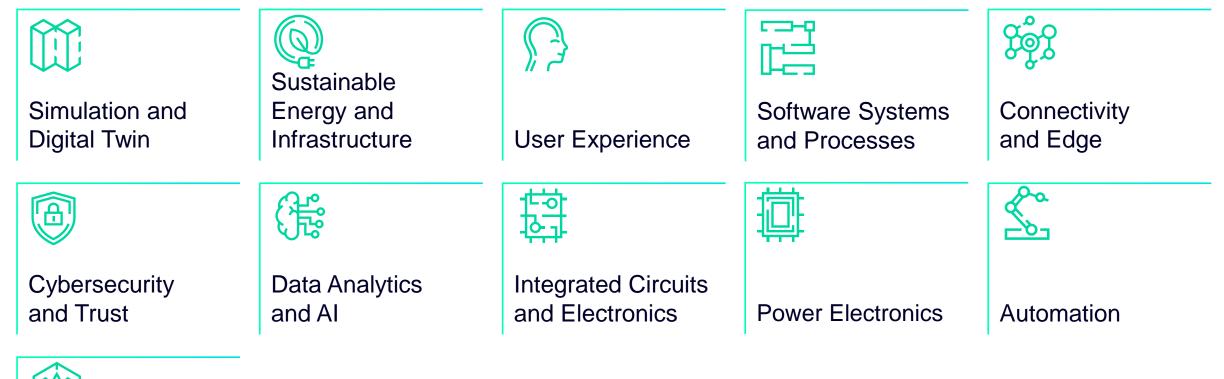








We leverage our Company Core Technologies in all our businesses...



Additive Manufacturing and Materials

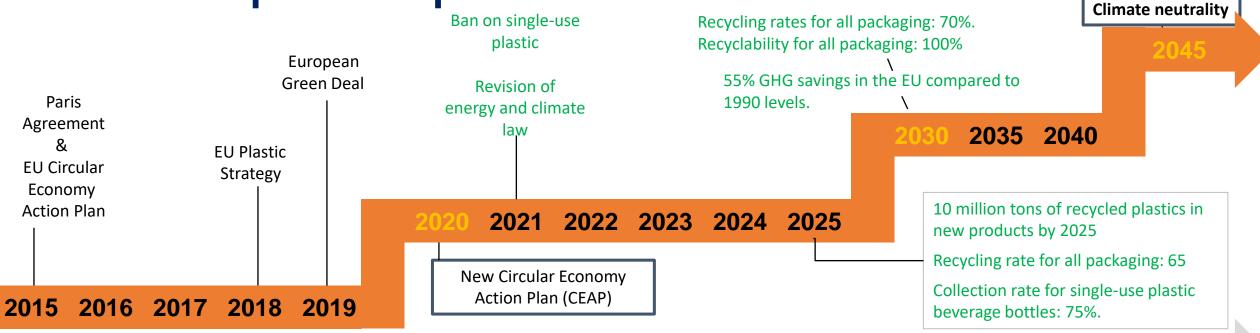


... of Smart Electrification, Automation, Digitalization for Sustainability

Standard layer model	tional IEC 622	<complex-block></complex-block>	international ISO/IEC standards is available - let's continuously develop it to improve sustainability
	MALADING MALIN M		
IEC TC 4 Hydraulic turbines	IEC TC 88 Wind energy generation systems		
IEC TC 9 Electrical equipment and systems for railways	IEC TC 121 Switchgear and controlgear and their		
IEC TC 13 Electrical energy measurement and control	assemblies for low voltage		
IEC TC 14 Power Transformers	IEC TC 120 Electrical Energy Storage (EES) Systems		
IEC TC 22 Power electronic systems and equipment		A CONTRACTOR	
IEC TC 23 Electrical Assessories	ISO TC 197 Hydrogen technologies		
IEC TC 65 Industrial-process measurement, control and	ISO TC 22 Road Vehicles	IEC TC 8 Systems aspects for electrical	IEC TC 57IEC PC 118Power systemsSmart grid user
automation	ISO TC 205 Building environment design	energy supply	management and interface
IEC TC 69 Electric road vehicles and electric industrial trucks	ISO TC 269 Railway applications		associated information
IEC TC 82 Solar photovoltaic energy systems			exchange
Management ISO /TC 323 Circular Economy	Reference	for Technical Regulations	
Standards ISO/TC 301 Energy management	and energy savings Contribut	ng to Sustainable Development	Goals
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**** * * * * * *		SESSEI Standardisation Expert in India Enabling Europe-India Cooperation on Standards	SIEMENS

Well defined system of

Roadmap – European Green Deal



New Regulations, EU Taxonomy, Non-Financial Reporting Directive (NFRD), delegated act...

Sustainable Products Initiative (Q4/2021) (extract)

- Improving the durability, reusability, upgradability and repairability of products
- Reduction of carbon footprint and environmental footprint
- "Exploiting the potential of digitizing product information, including solutions such as a Digital Product Passport

Overall Measures at Product Level (extract)

- European Circular Dataspace: to publish product datasets with possible mandatory information for a better management of the value chain, linked to the idea of the Product Passport
- Mandatory application of the PEF Product Environmental Footprint









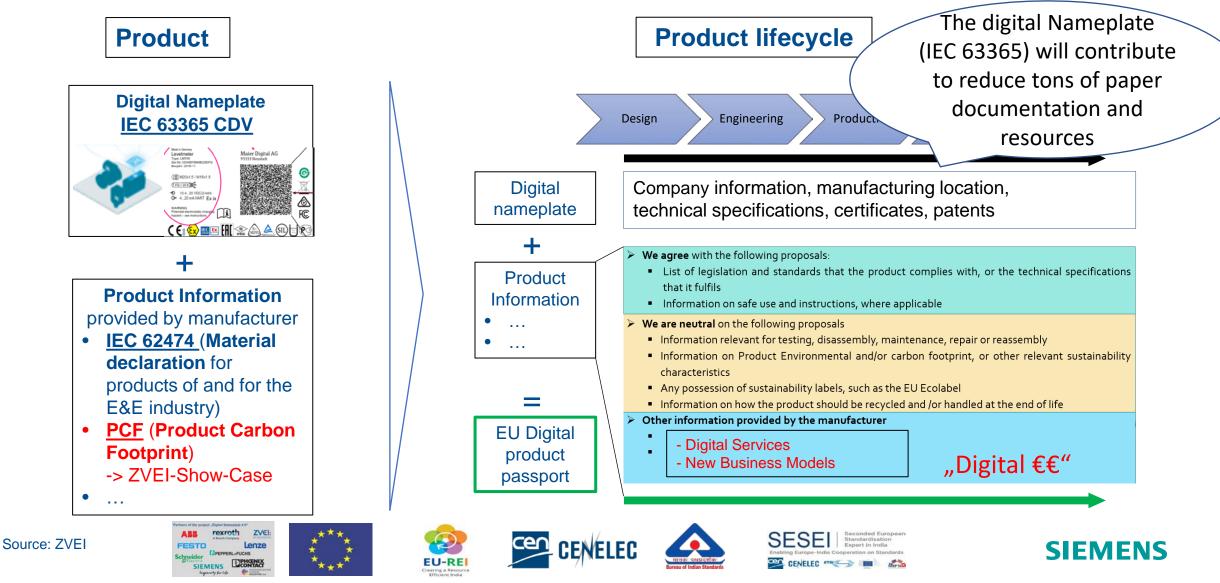
EU-RE



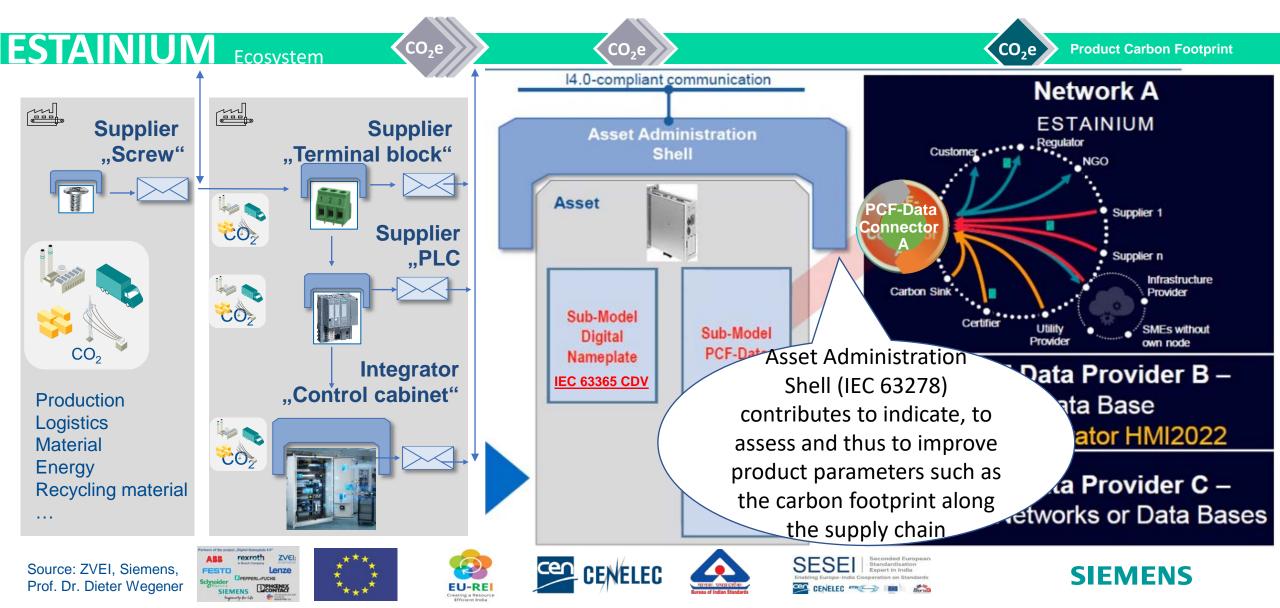




EU Digital Product Passport (DPP)" will enable Digital Transformation and trigger Sustainability



Showcase "Carbon Footprint of Control Cabinet"





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