

METHODOLOGIES AND TECHNICAL CRITERIA FOR THE ELECTRICAL DESIGN OF OFFSHORE WIND FARMS USING HVAC TECHNOLOGY

XI. Marine Energy Conference
28th May 2025

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INDEX

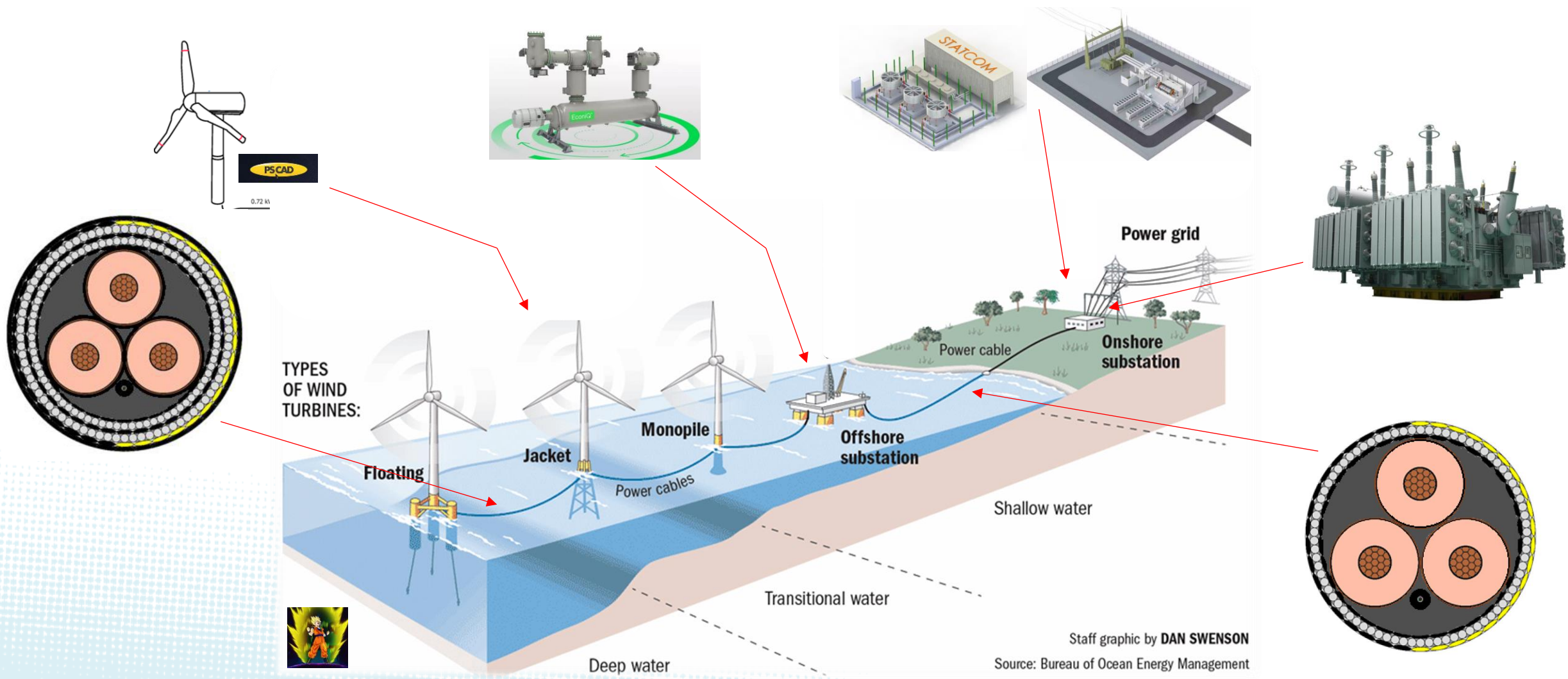
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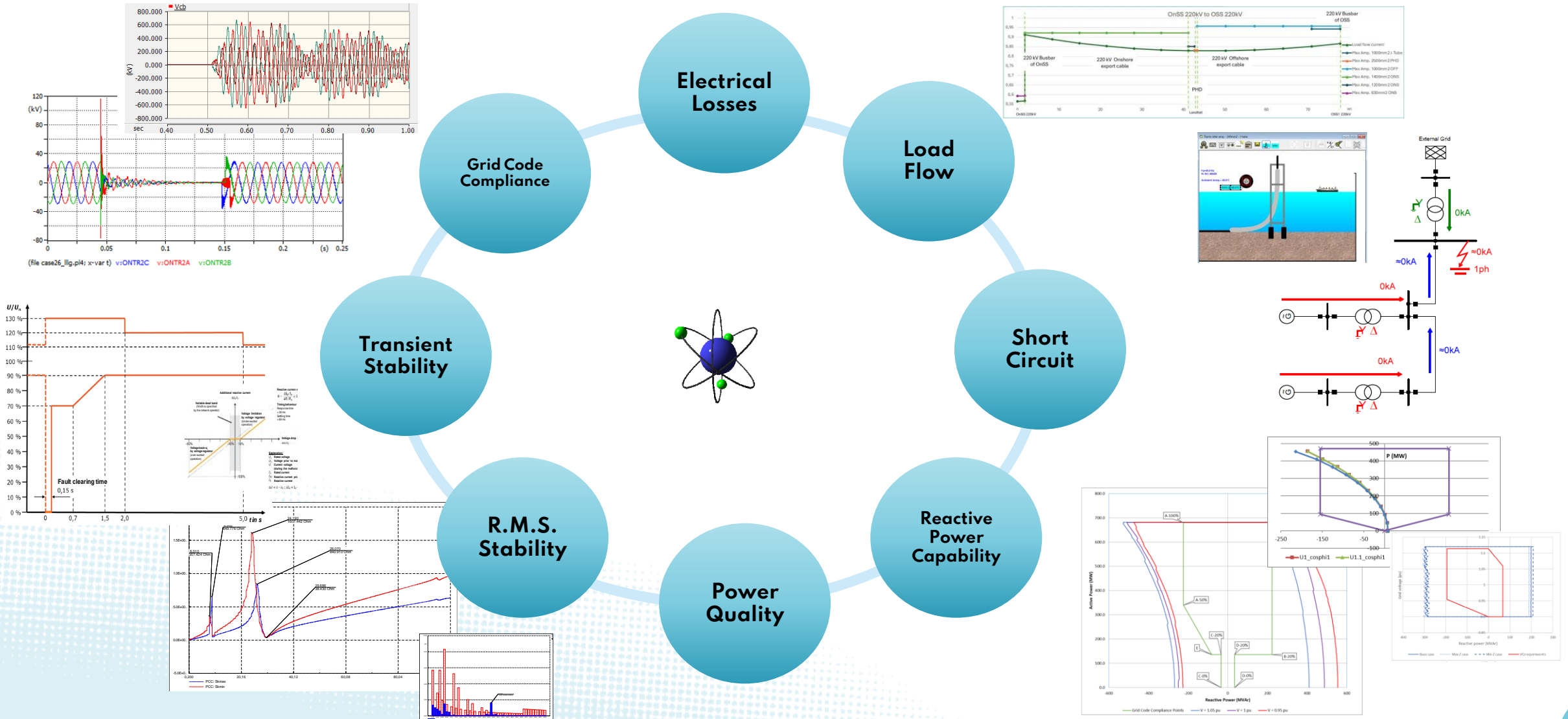
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- 1. Standardization of Electrical Simulation Modeling and Technical Validation**
- 2. Technical Standardization of Electrical Studies for Offshore Wind Farms**
- 3. Key Technical Criteria to Consider in the Design of an Offshore Wind Farm**
- 4. Electrical Design Management in Offshore Wind Farms: Application Methodologies**

1 Standardization of Electrical Simulation Modeling and Technical Validation

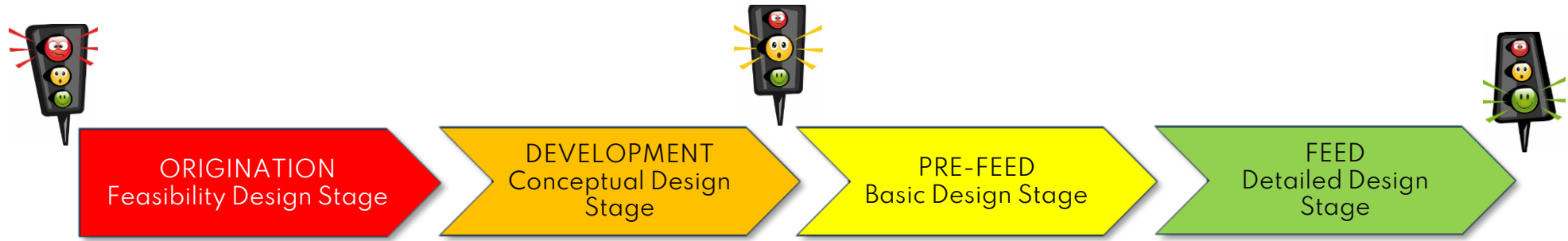


2 Technical Standardization of Electrical Studies for Offshore Wind Farms



4 Electrical Design Management in Offshore Wind Farms: Application Methodologies

The **electrical design robustness** is directly connected with the input data used in the Electrical System Studies
 Furthermore, the electrical design stages are in parallel with the project life-cycle and its different engineering stages



	Year 1				Year 2				Year 3				Year 4				Year 5				Year 6				Year 7				Year 8				Year 9			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Main milestones																																				
Transmission / Grid connection																																				
Engineering																																				
Supply Chain assessment / Procurement																																				
Electrical Design Engineering																																				



THANK YOU

