

# Paris Session 2022



## Continuous Improvement for Optimized Substation Management

### B3 PS 1 – Question 1.4

To what degree are the new environmental directives impacting on the industry's ability to respond and deliver the substation infrastructure necessary to facilitate NetZero?

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**SIEMENS**  
energy

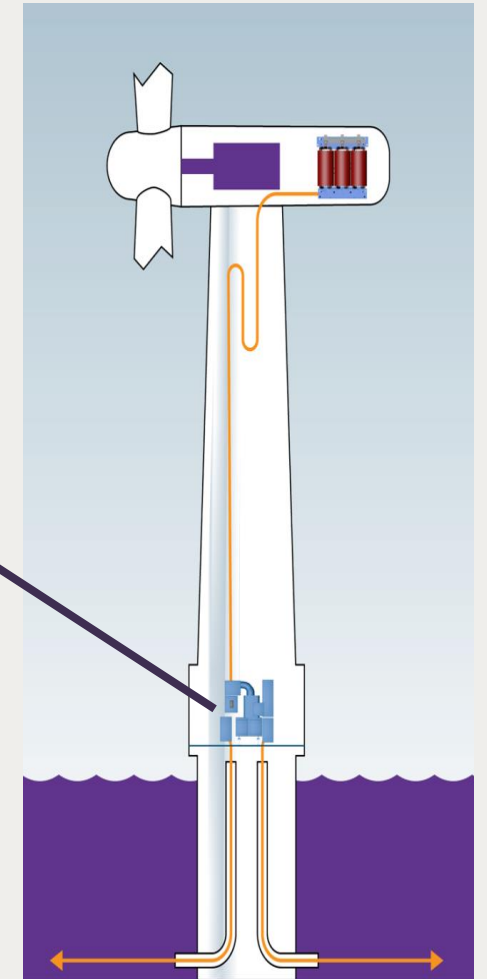
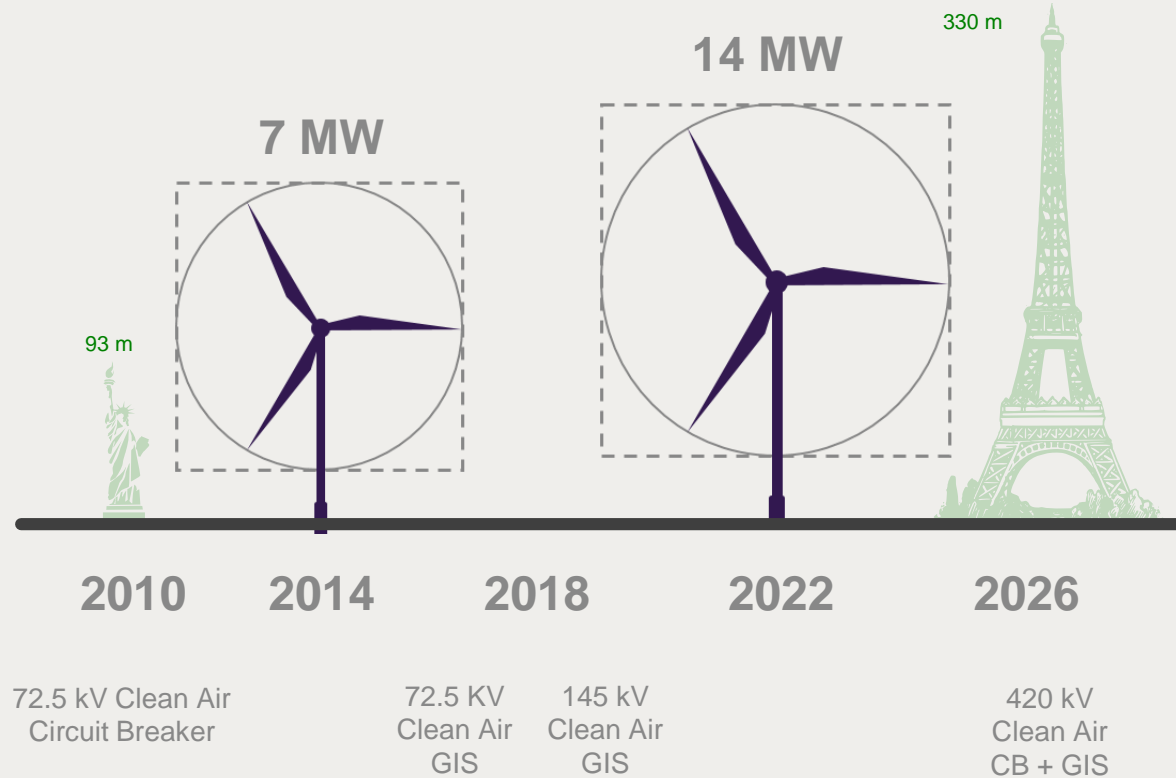
Group Discussion Meeting

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# Paving the way to Net Zero



# Zero compromises on health, safety and technical abilities and lead to public and market acceptance

## Aspects to be considered



Environment



Health & Safety



Regulation



Costs



Technical capability

## Clean Air & Vacuum Switching \*

Zero GHG (green house gases), GWP = 0

Zero degrading effects during operation

Zero toxicity and hazard, Zero PFAS Gases\*\*

Zero cost risks due to F-gas regulations

Zero maintenance (VI is sealed for life)

Lowest lifecycle and end-of-life costs

Zero degrading effects of the switching gas

Highest short-circuit capability



Maximum stakeholder acceptance

Shareholder



Employees






Society



# Clean air products enable zero emission power grids and are future proof with no risk for regulatory exposure



**More than 1000 SF6 free GIS units delivered for Wind offshore installations:**

-  Successful operation without major failures
-  Simpler EHS measures
-  More efficient due to easy gas handling