

Question: What are the technical & operational challenges of multi-terminal HVDC?

(terminal cost, electronic DC fault protectors, grid instability, market dynamics, etc)

Question: Consider approaches to address the technical challenges of multi-terminal HVDC?

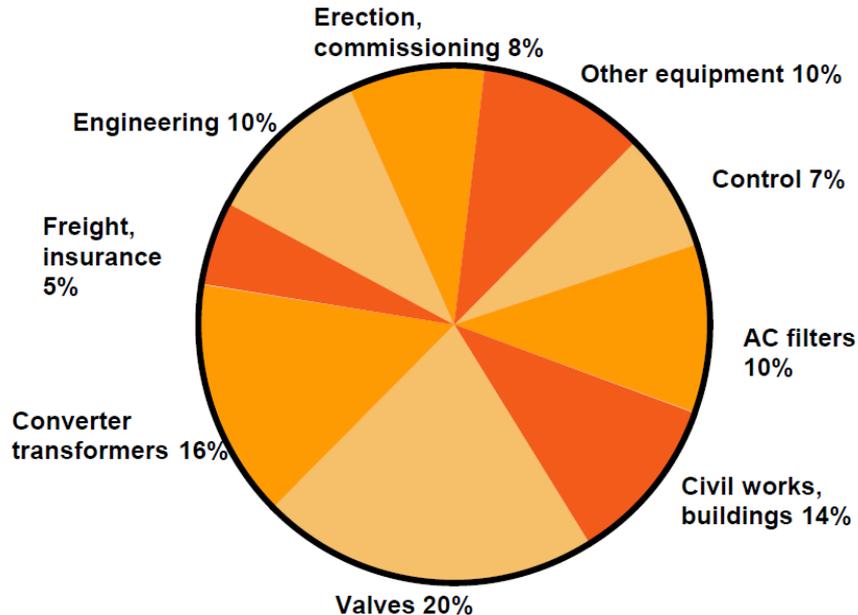
Question: Consider approaches to address the operational challenges of multi-terminal HVDC?

Question: What are the drivers for HVAC to HVDC conversion?

Question: What are the the unique technical and operational challenges facing HVAC to HVDC conversion?

Question: Consider approaches to address the technical challenges of HVAC to HVDC?

Question: Consider approaches to reduce the cost of HVDC terminals?



Source: Rudervall (2000)

13kV SiC? Valve packaging?  
 50 kV diodes?  
 Advanced dielectrics?  
 Advanced transformers?

Question: What are the drivers for a mesh HVDC system?

Question: What are the challenges for a mesh HVDC system?



Question: What are the approaches to address these challenges for a mesh HVDC system?