Would LBMS be applicable to offshore wind construction

Contribution 121
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Pre-assembly Locations

Geographic segregation
Divided by main components and activities
Locations highlighted
Offshore Locations

Turbine are the Offshore locations

Transferable potentials
- Substations
- Cabling
Wind Turbine Construction

Pre-assembly

- Towers
- Nacelles / Hub
- Blades
- Transition Piece
- Tower
- Nacelle / Hub
- Blades

Offshore

- Turbine #1
- Turbine #2
- Turbine ....

Laydown area
Assembly area

Location
Structure
- No defined locations
- Technical dependencies
- More than 4000 activity lines between construction start / take over
1. External logical relationships between activities within locations.
2. External higher-level logical relationships between activities driven by different levels of accuracy.
3. Internal logic between activities within tasks.
4. Phased hybrid logic between tasks in related locations.
5. Standard CPM links between any tasks and different locations.
Example
Flowline

Overview of 16 turbines
CPM buffer gap visible
Pre-assembly and offshore separated locations

2 months gap
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BACK UP SLIDES
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<tr>
<th>Source</th>
<th>Domain</th>
<th>Construct</th>
<th>Manufacturing</th>
<th>OF wind</th>
<th>CP</th>
<th>Method</th>
<th>LPS</th>
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Current Overview

Grid available
Resource Consumption