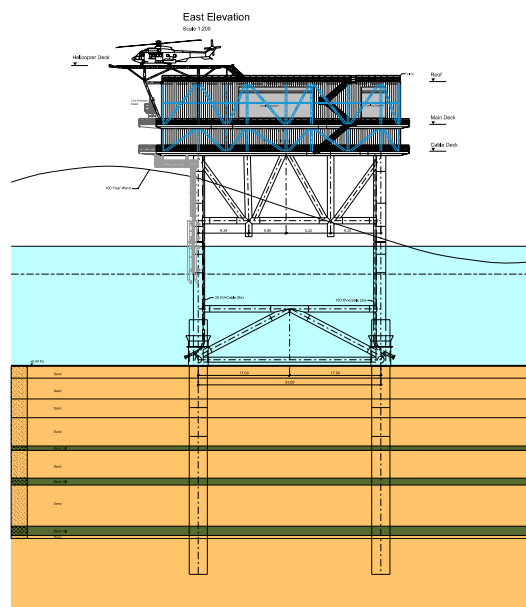
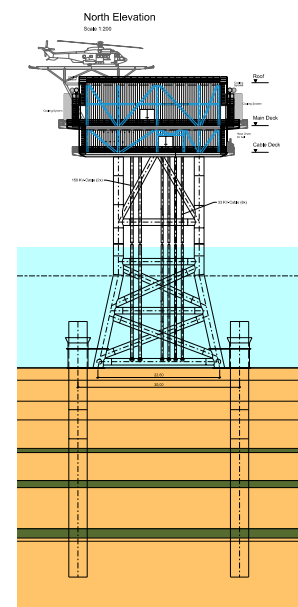


## References

- Project:** **Kriegers Flak 1 Offshore Wind Farm**  
 – **Design and Tender of an Unmanned 400 MW Offshore Substation**
- Period:** June - September 2009
- Client:** EnBW Erneuerbare Energien GmbH,  
 Offshore-Büro Hamburg
- Short Description:** IMS is commissioned to render the following services for the Kriegers Flak 1 offshore wind farm:
- Design of an unmanned 400 MW offshore substation with jacket foundation including the complete technical equipment as well as secondary steel
  - Preparation of the tender documents
  - Construction logistics as the load-out, transport and offshore installation
  - Project management and coordination
  - Basis of calculations for the substation
  - Planning and design as well as tender of electric power substation technology (sub planner: KEMA Dresden)
    - other technical equipment
    - emergency accommodation for 8 persons
  - Technical specification of services regarding the topside (bill of quantities and building specifications) and determination of quantities
  - Assistance in the award of contract.



General layout substation “East”



General layout substation “North”