

Project: LYSEBOTN II

LOCATION:
Forsand county

YEAR:
2015-2016

CLIENT:
Lyse Produksjon/Norconsult

SCOPE/PHASE:
Dynamic analysis of turbine foundations

PROJECT RESPONSIBLE:
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PROJECT DESCRIPTION:

To ensure a high efficiency of the new turbine it is critical that the foundations are stiff enough. Resonance in the global structure rendered it impossible to guarantee a correct stiffness with the original design.

Based on dynamic analyses Dr.techn.Olav Olsen suggested an alternative design which removed the resonance effect within the frequency domain of the turbine. As a result, the dynamic stiffness is sufficient to ensure the correct efficiency of the turbine.

