

PERMAS

The Finite Element solver



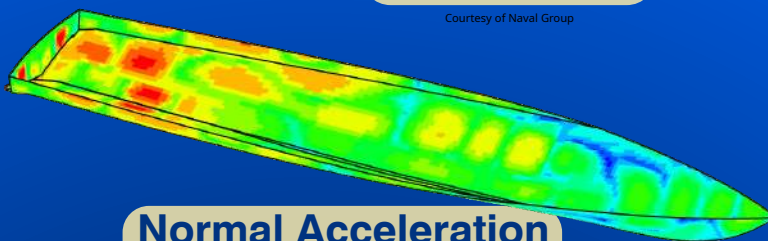
Underwater Acoustics



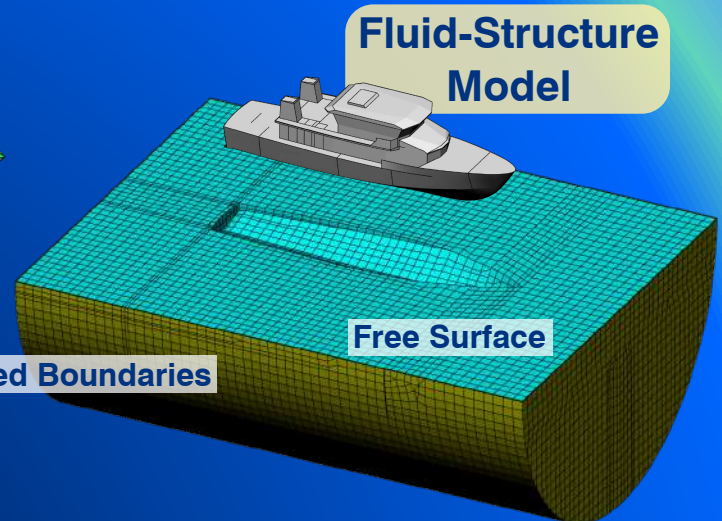
**ORCA Ship
Benchmark**

Courtesy of Naval Group

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**Normal Acceleration
at FS interface**

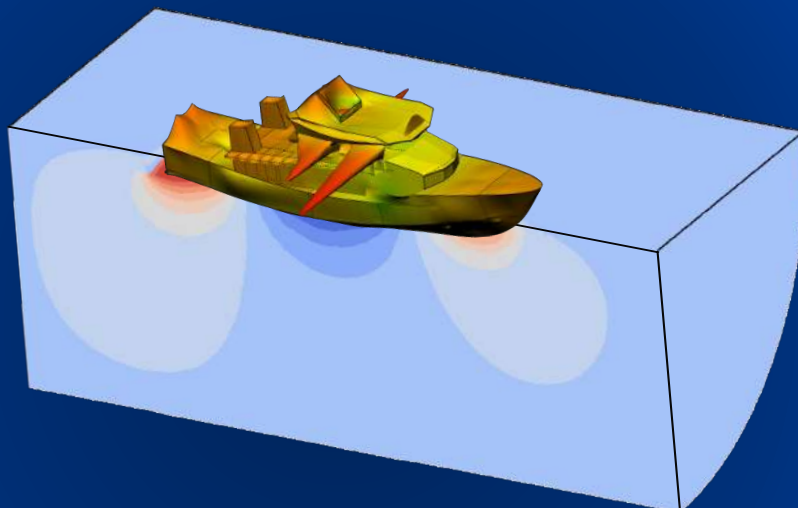


**Fluid-Structure
Model**

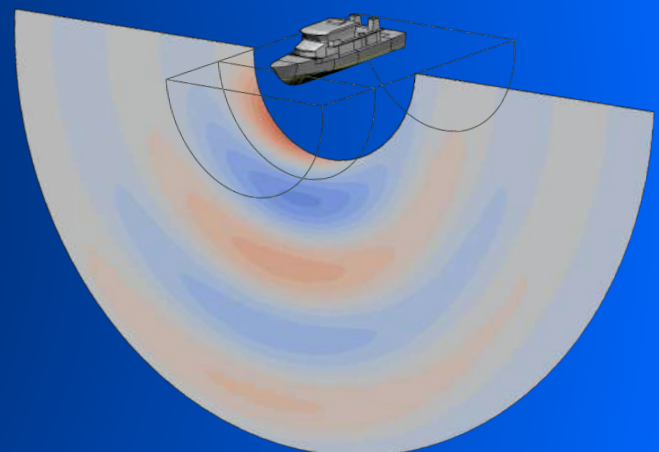
Free Surface

Radiated Boundaries

Bending Mode



Near Field Pressure



Far Field Pressure

PERMAS

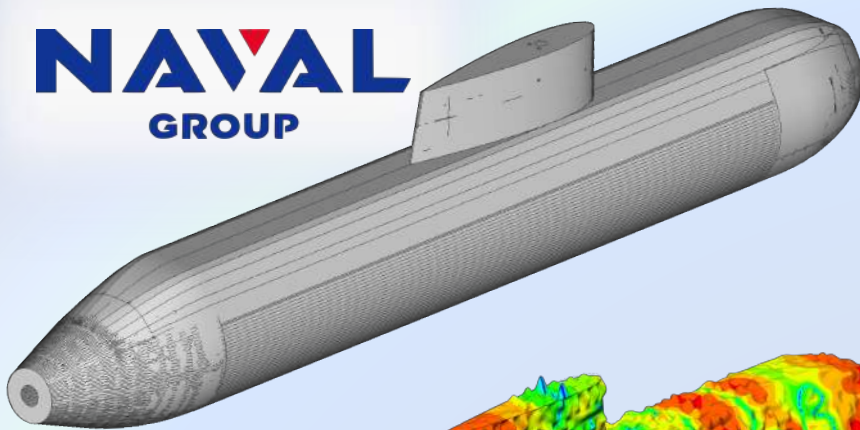
The Finite Element solver



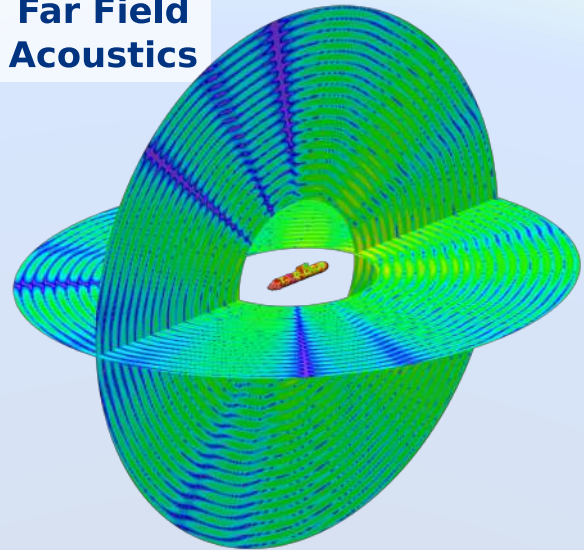
Vibro-Acoustics

Fluid-Structure Interactions

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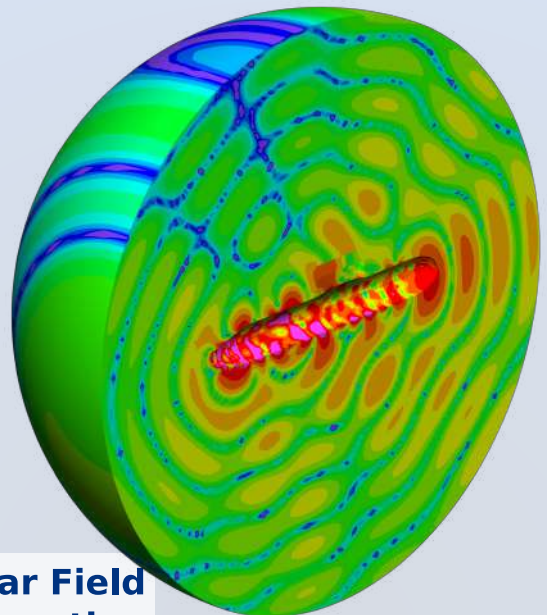
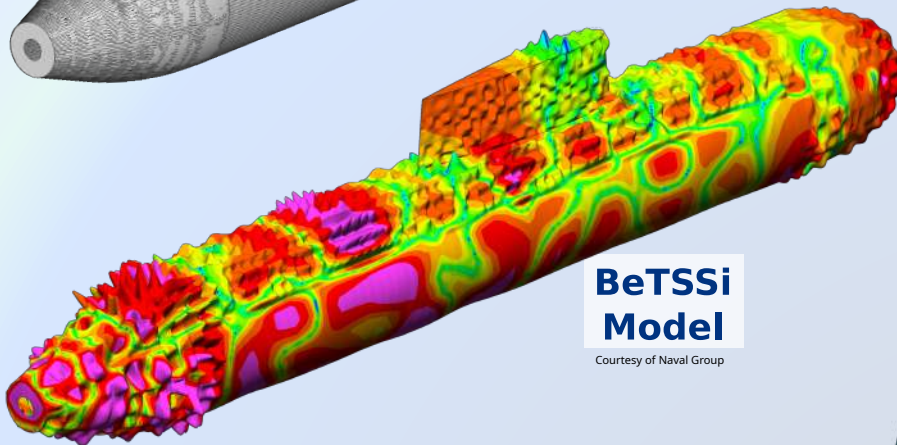


**Far Field
Acoustics**

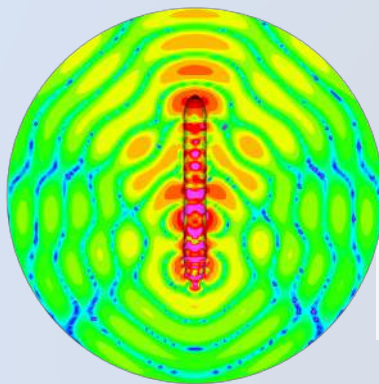
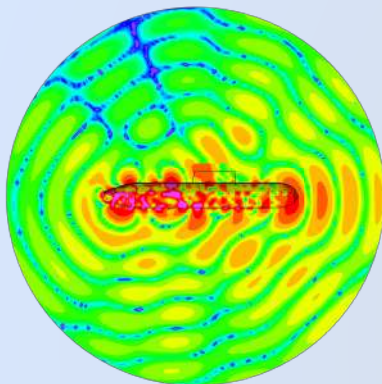


**BeTSSi
Model**

Courtesy of Naval Group



**Near Field
Acoustics**



***"Making realistic
simulations practical"***

For more information about
fluid-structure simulation with
PERMAS, visit our website
www.intes.fr
or send us an email at
point-contact@intes.fr

