

Material test program for Norwegian FPB

Client: Umoe Mandal

Testing and qualification of reinforcements for naval industry

Manufacture of specimens

Vaccum infusion and wet lay up

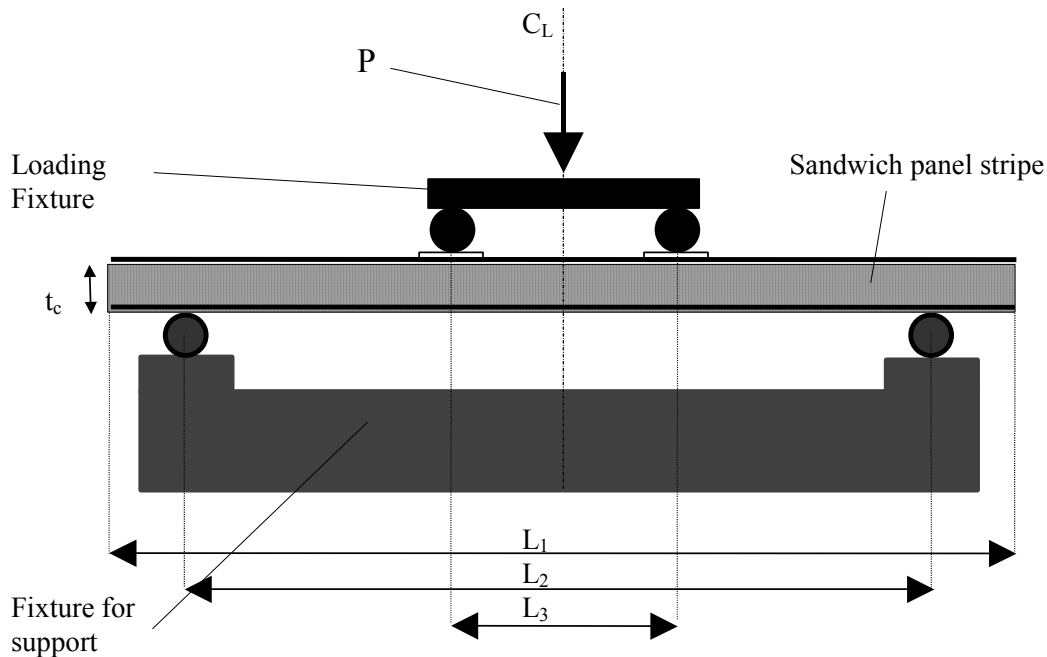
Polyester, vinylester, glassfiber and carbon fibre multiaxial reinforcements are evaluated and qualified

Single skin laminates, sandwich panels and composite beams are manufactured

Small-scale specimen testing and component testing

Complete evaluation of manufacturing capabilities and material data

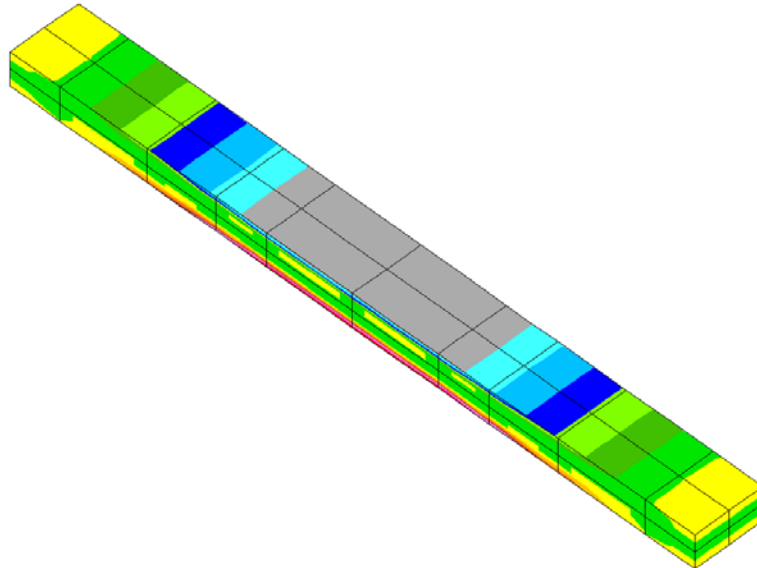
Qualification according to requirements for use in RNON MTB program




Principal sketch of 4 point bending test of sandwich panel stripes

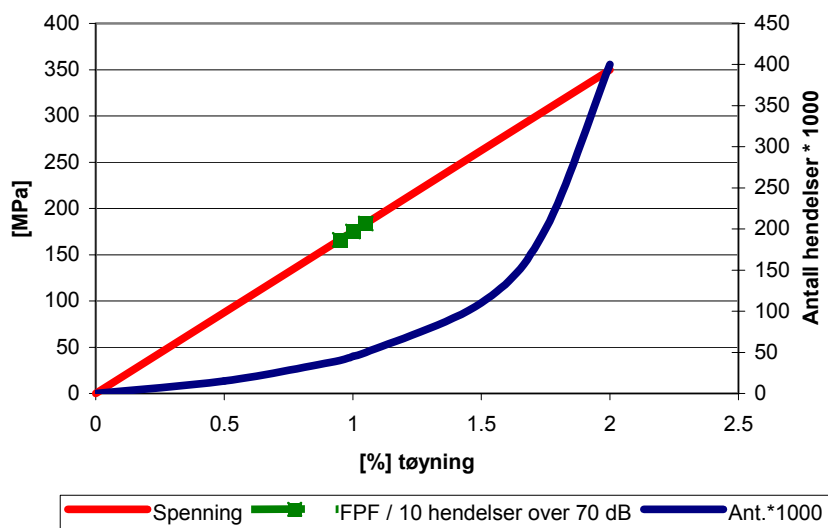
Marine Naval

DISPLAY III - GEOMETRY MODELING SYSTEM (6.0.0) PRE/POST MODULE



 LAYER NUMBER 1
4-point bending LT Last Ply Failure Analysis

Layer stress plot from FEM analysis for verification test of material data



FPF validation using acoustic emission

