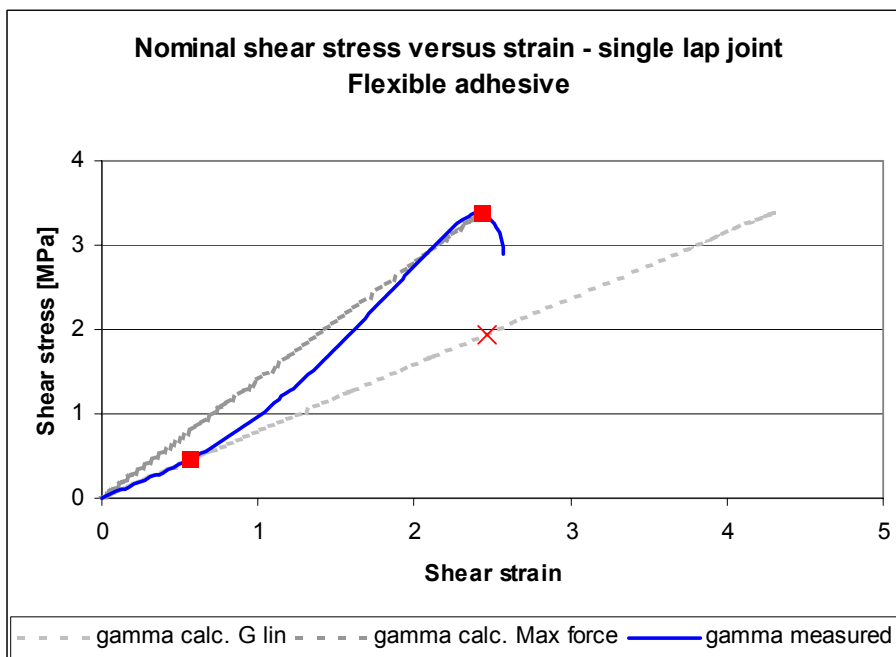


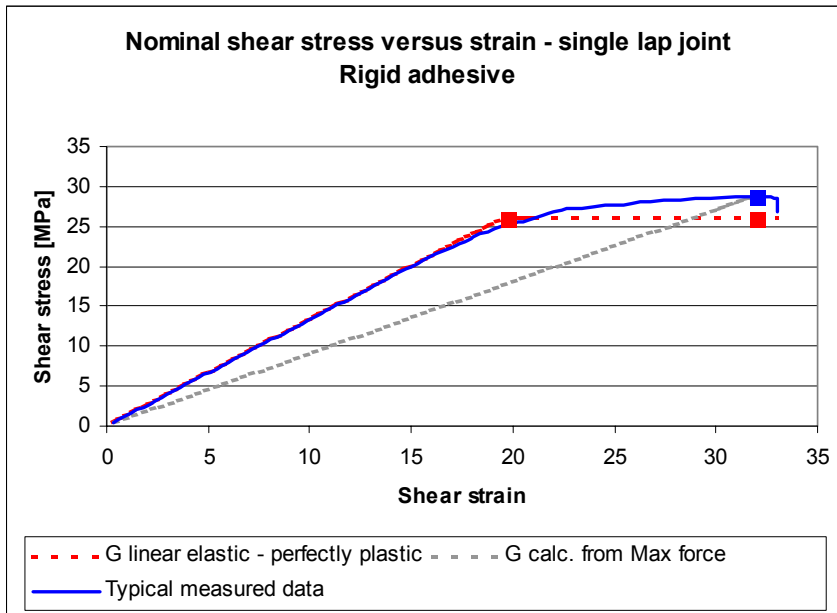
Bondship

EU Fifth framework Research programme

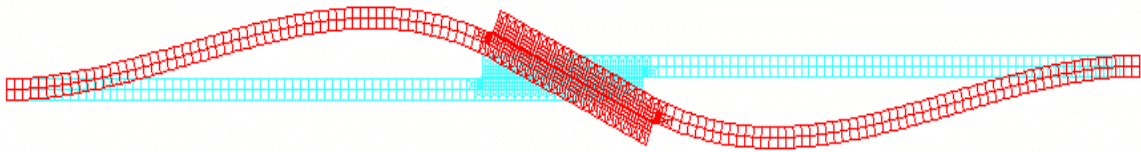
- Design of bonded joints for various lightweight materials
- Material models for structural design using flexible and rigid adhesives
- Testing of long and short term adhesive properties for flexible and rigid adhesives
- Fire protection of bonded joints for marine applications
- Design, construction and testing of different AC's from participating yards



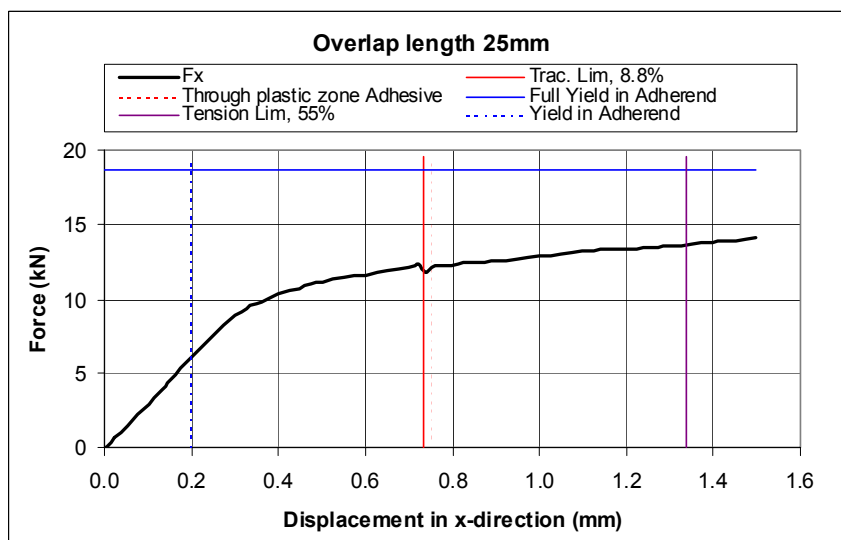
Material models for flexible adhesives



Material models for rigid adhesives



FEM analysis - initial and deformed shape of single lap bonded joint in tension



Test results, overlap joint versus FEM analysis design limits for adhesive and adherends