

List of final project reports in German language (CMT reports)



No.	Title	Year
1	Exploration of high tensile steels for shipbuilding	2004
2	Assessment of oscillation patterns of rigidly mounted prime movers through modal analysis	2004
3	Development of standardized pipe fitting systems for shipbuilding	2004
4	Improved Efficiency in Ship Hull Production through Laser Welding of Partially Penetrated T-Joints	2004
5	Dynamic Analysis of Hydro-elastic Properties of Wire-bound Deep Sea Equipment Carriers	2004
6	Precise manufacturing of biaxially curved surface and volume assembly groups made of steel	2004
7	Influence of instationary operating conditions on the bearing of propeller shafts	2006
8	Change Management in the Ship Design Process	2007
9	Comparative studies of the fatigue strength of bracket joints	2007
10	Development of a software programme for the calculation of lashing forces in RoRo ships	2007
11	Weight management during the production of one-of-a-kind highly equipped special purpose ships	2008
12	Comparative investigations of different techniques for NOx reduction in ships	2008
13	Alternative Double Hull Design for Tankers offering Advanced Manufacturing and Safety Features	2008
14	Stiffened plate structures in steel shipbuilding	2009
15	Investigations into support structures for deck outfitting and cargo securing	2009
16	Strength of block joints with wide gap welding in ships	2010
17	Increase in efficiency with electro-gas arc welding of higher-strength shipbuilding steel for application under standard and low temperature conditions	2011
18	Mechanical rework of thermal cutted intermediate- and endcuts of profiles in shipbuilding	2012
19	Fatigue strength of stud-welds in load-carrying ship structures	2012
20	Quality improvement of MIG soldered connections in galvanised structures	2013
21	Development of a technology for automated removal of parts after plate cutting	2013
22	Large windows or openings with static or dynamic load onboard ships	2013
23	Age- and gender-related comparative standard data of the physical capacity of people being active to handle a motor- or sailboat	2013
24	Offshore-Solutions - Service potential for shipyards, shipping companies and maritime supply firms in the course of the operational phase of offshore wind energy plants	2014
25	Automated Generation of Volume Grids for Ship Hydrodynamic Analysis – shipMesh [ENGLISH]	2014
26	Manual plasma- and TIG-rounding of free-standing edges for coating preparations (hand plasma)	2014
27	Standardisation of Aluminium-Steel- and FRP-Steel-Joints with Hyperelastic Adhesives for Shipbuilding	2014
28	Single-sided electro-gas welding on sheet metal thickness jumps and irregular butt joint geometries	2014
29	Full-Mechanized Sensor-Based Vertical Down Welding for the Section Fabrication - FaSek	2014
30	Life Cycle Costing	2014
31	Development of an economic process variant for under-powder welding in transversely position (PC) on high plate thicknesses for the implementation on Off-Shore structures and in shipbuilding industries (UP- transversely)	2015
32	Application of laser scanners for the manufacturing of steel hulls (Elasta)	2015
33	Damage-resistant surface coatings on maritime structures like ships rudders in typical operational and environmental stresses (Besoma)	2015
34	Bonding mating of pipes in the ship building industry	2015
35	Investigation on crack propagation at longitudinal stiffeners to validate the IBESS-Procedure	2016
36	Integration of bonded window strips and glass fronts in the strength analysis of ships	2017

More Information at <http://www.cmt-net.org/index.php?id=35&L=0>

All CMT reports are in German language and can be requested at CMT (contact: igf@cmt-net.org)