

CONTEXT

Efectis is a recognized Global Expert in Fire Science. Whether to optimize safety performance, achieve regulatory compliance, lower insurance premiums or reduce building costs; our ability to virtually model and physically test provides an extensive understanding of fire behavior in complex and strategic environments for offshore platforms and ships at sea.

OUR MARKET

- Ship designers, ship builders, suppliers and operators in the maritime sector
- Suppliers and operators of equipment dedicated to the exploration and the production of renewable energy and resources at sea
- Insurers and governmental bodies



WHY WORKING WITH EFECTIS

We provide all the necessary services and support to our customers while providing the highest level of assurance. Working with Efectis also means taking advantage of:

- Comprehensive product and testing knowledge with over 65 years of experience
- More than 10 years of experience as notified body for construction products certification
- A well established brand name and services portfolio
- An excellent customer track record in many countries
- Wide range of fire and non-fire testing capacities
- Dedicated highly qualified and multilingual project managers

FIRE PROTECTION ENGINEERING AND CONSULTANCY

- Evaluating structural fire performance/resistance (steel, aluminum, composites)
- Fire hazard and life safety analyses:
 - Marine terminals
 - All types of merchant and military vessels
 - Offshore platforms
- Conceptual design and engineering
 - Shipboard fire and explosion protection systems
 - Explosion protection for vapor recovery systems
 - Fire detection and alarm systems
 - Smoke management systems
 - Personnel egress and life safety systems
- Designing and performing fire R&D programs
 - Bench-scale testing for material properties
 - Room-scale testing for performance of materials, systems, and hardware
 - Full-scale testing for “proof-of-concept” of design (structure and systems)

PRODUCT AND EQUIPMENT TESTING

- Reaction to fire tests according to IMO FTP code standards
 - Non-combustibility, part 1
 - Smoke and toxicity, part 2
 - Low flame spread/surface flammability, part 5
 - Vertically supported textiles and films, part 7
 - Upholstered furniture, part 8
 - Bedding components, part 9
 - Fire restricting materials for high-speed craft, part 10
- Fire resistance tests according to IMO FTP code standards
 - Divisions, part 3
 - Fire door control systems, part 4
 - Fire resistance of piping, L1, L2 and L3, part 2
- Fire suppression and smoke exhaust equipment tests
 - Market requirements and smoke exhaust equipment tests
 - On-site equipment efficiency testing