



Session 3B:

Protecting Boats without Scuttling the Ship (dry stacked boat storage)

As with the storage of practically everything these days the storage of boats is moving towards the use of automated storage and retrieval systems for more efficient use of space and convenience of the customers. This emerging technology with increasing storage heights and limited access presents a number of challenges that add to the already complicated task of developing appropriate fire protection designs for such structures. This presentation will explore a number of these fire protection challenges and their impact on the design of the fire protection systems, the design of the overall structure as well as the considerations that need to be given to final extinguishment by the arriving fire department personnel. This session will help to engineers, designers, and enforcers better understand the complicated fire protection conditions presented by automated boat storage facilities.



Tracey Bellamy
Chief Engineering Officer
Telgian Engineering & Consulting

Tracey oversees the technical aspects of all engineering activities and establishes standards of performance for the fire protection engineering program. Tracey also performs fire protection and life safety consulting services related to fire and building codes and national fire protection standards. He is a consultant for major construction projects and hazardous material storage facilities throughout the United States. He has directed major full-scale fire-test programs aimed at the development of alternative fire protection schemes resulting in client savings of over \$1B. He has provided technical support to facilities in response to Department of Energy (DOE) audits and reviews for new facilities and modification plans and specifications for compliance with applicable DOE requirements. He has extensive experience in assessing existing facilities for compliance with highly protected and improved risk criteria and code requirements.