



*FutureMetrics™ LLC*  
The Leading Consultancy in the Wood Pellet Sector



## Safe Wood Pellet Storage

*Preventing, Detecting, and Managing Self-Heating Incidents*

September 3, 2025

Location: Ørsted, Nesa alle 1, 2820 Gentofte, Denmark

*Note: the workshop will be in English.*

**8:30 – 9:00 Registration, Networking, Pastries, Coffee**

**9:00 – 9:15 Opening Remarks**

*Speakers: Søren Alsing, Director, Fuel, Commercial, Ørsted; William Strauss, President, FutureMetrics; Fahimeh Yazdan Panah, Director of Research and Technical Development, Wood Pellet Association of Canada*

**9:15 – 10:45 Case Studies on Major Incidents that Resulted from Runaway Self-Heating – Consequences and Lessons Learned**

*Speakers: Jens Kai Holm, Chief Specialist, Ørsted, John Swaan, FutureMetrics*

Learn about real-world case studies of major incidents caused by runaway self-heating from around the world. You'll discover the consequences of each incident, along with the mitigation strategies and best practices derived from these experiences.

**10:45 – 11:00 Coffee Break**

**11:00 – 12:15 Technical Discussion on the Causes for Self-Heating**

*Speaker: Fahimeh Yazdan Panah, Director of Research and Technical Development, Wood Pellet Association of Canada*

Explore the fundamentals of self-heating and investigate the effects of different wood species, along with their physical and chemical properties. Key learnings, knowledge gaps, and future research areas will also be discussed.

**12:15 – 13:00 Lunch**

**13:00 – 13:45 Minimizing Self-Heating Risk in Wood Pellet Storages**

*Speaker: Jens Kai Holm, Chief Specialist, Ørsted*

Examine key strategies for mitigating self-heating risks in storage facilities, focusing on laboratory measurements of wood pellet reactivity, storage practices in wood pellet silos and flat storage, and industry best practices for large-scale storage.

**13:45 – 14:30 Detecting a Self-heating Incident: Early Warnings and Beyond**

Speaker: Håkan Johansson, Division Manager – Asia, Firefly

This session will outline methods for identifying self-heating incidents, including temperature and gas measurements, spark detection, and infrared surface temperature monitoring.

**14:30 – 14:45 Coffee Break**

**14:45 – 15:30 If an Incident Happens: Effective Approaches for Mitigation and What NOT to Do!**

Speaker: John Swaan, Operations and Project Development Expert, FutureMetrics

Learn about immediate response measures, fire suppression techniques, and mistakes to avoid in the event of an incident.

**15:30 – 16:45 Panel Discussion: Industry Collaboration for Safer Pellet Storage**

Join the speakers for an interactive discussion of the day's key learnings, the challenges the industry faces, and the future steps, collaborative solutions, and continuous improvement for enhanced safety.

**16:45 – 17:00 Closing Remarks**

Speakers: Søren Alsing, Director, Fuel, Commercial, Ørsted, William Strauss, President, FutureMetrics

**19:00 Dinner in Copenhagen hosted by Ørsted. [Location TBD]**

*Note: Transportation to the dinner venue is the responsibility of each attendee.*