



**Verenigde
Sprinkler Industrie**
onderdeel van Federatie Veilig Nederland



Tom Roche
FM

Seminar Waardering van sprinklers 28 januari 2026

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Why we need research
- remember the ducks

Tom Roche, Principal Consultant
28th January 2026



Utrecht
sprinkler.nl
geef brand geenkans

Seminar Waardering sprinklers 28 januari 2026

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Mutual



Specialty Insurer



Protecting today and tomorrow



Service delivered globally

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FM Property Loss Prevention Data Sheets 1-40
October 2010
Interim Revision October 2025
Page 1 of 58

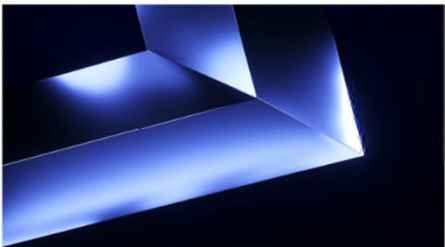
FLOOD

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Fire Performance Evaluation of Building Integrated Photovoltaic (BIPV) Façade Systems



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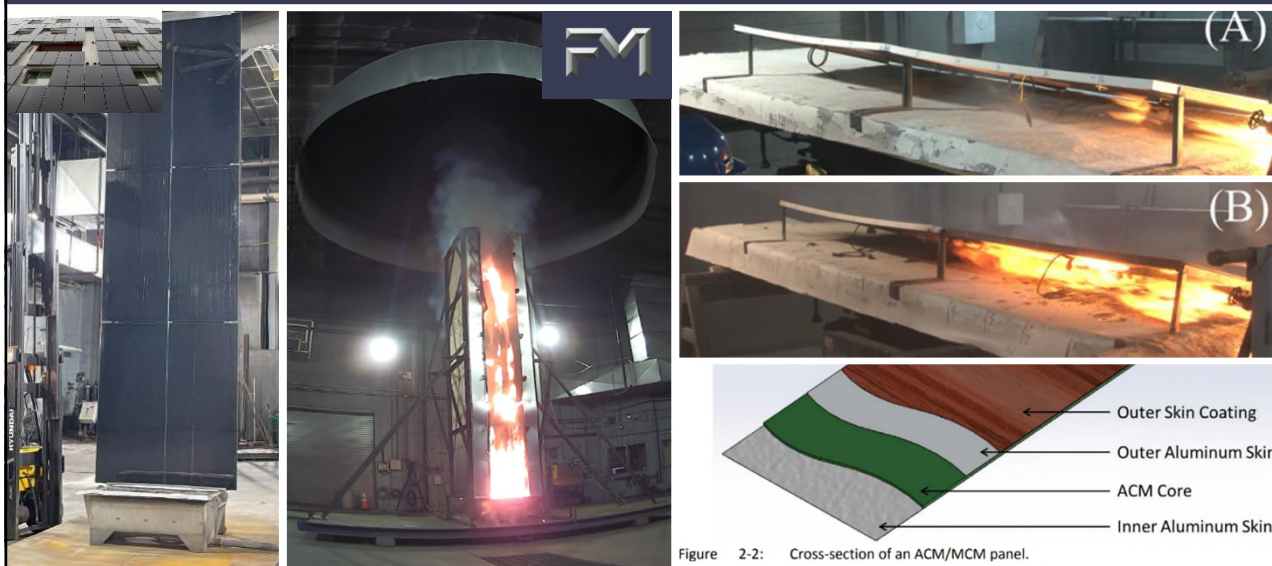
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TECHNICAL REPORT

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Building construction materials



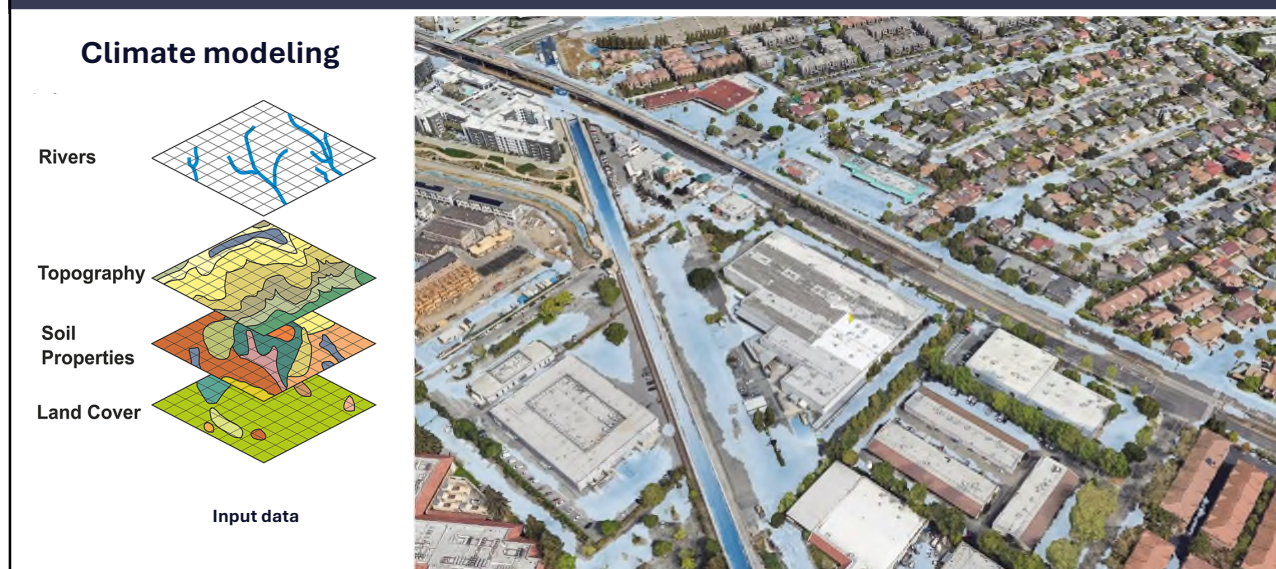
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Data centres



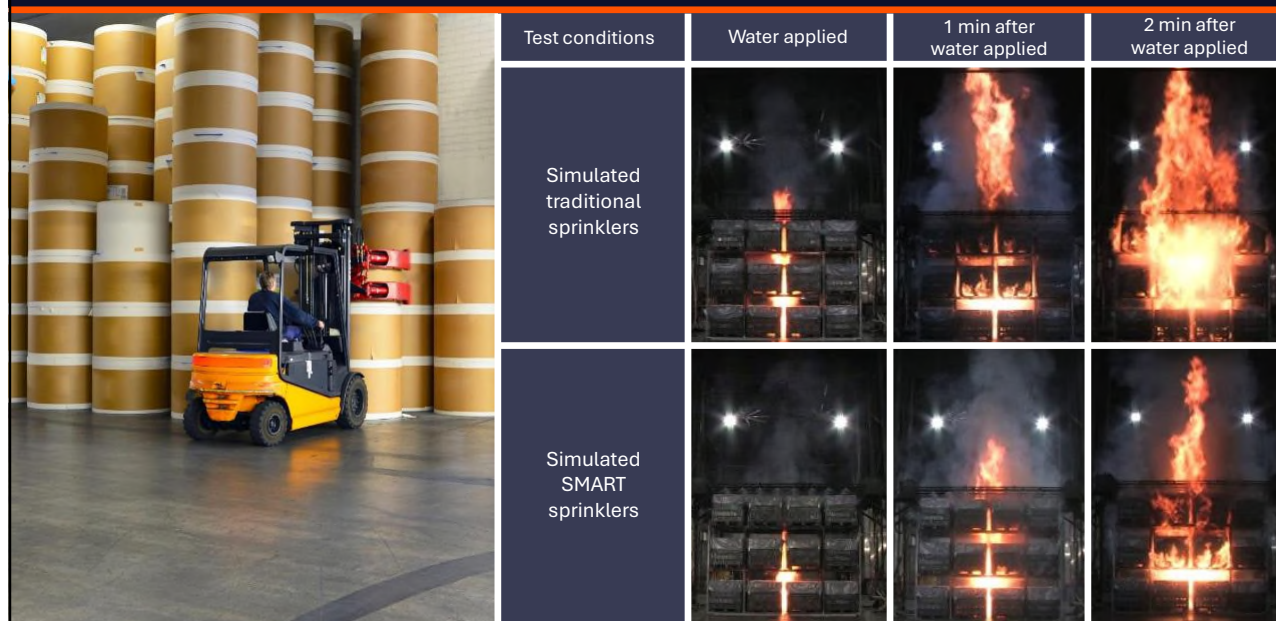
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Flood modeling



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Fire protection innovation



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Automated warehousing



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Research



Data

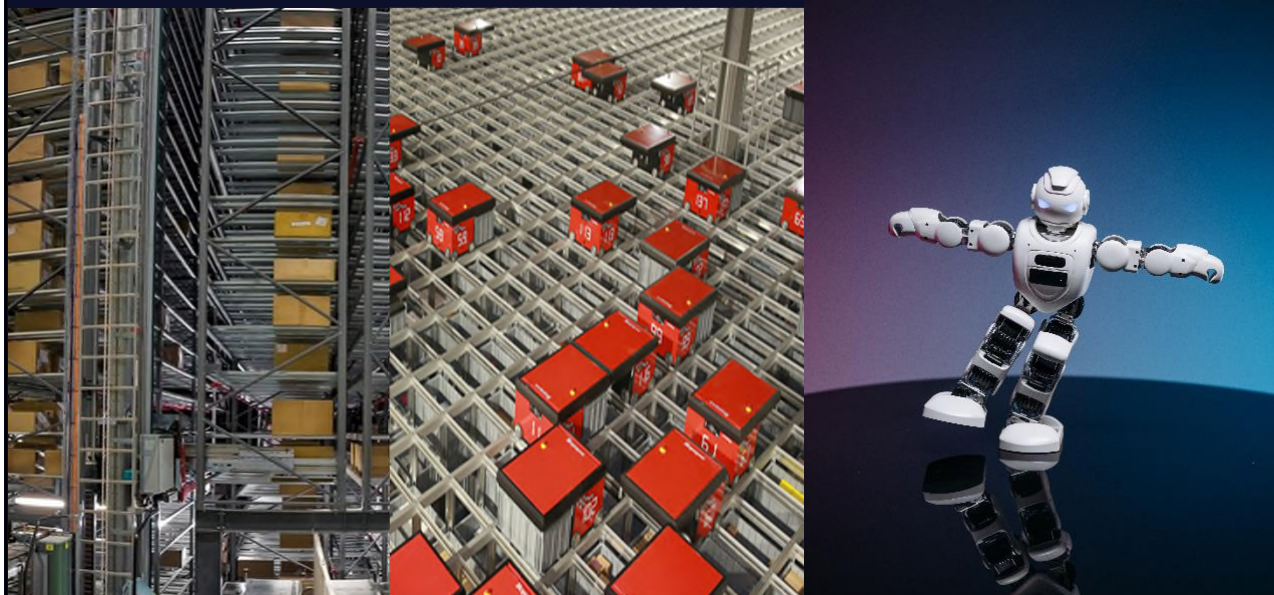


**Actionable
advice**

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Denser, higher, faster, and further

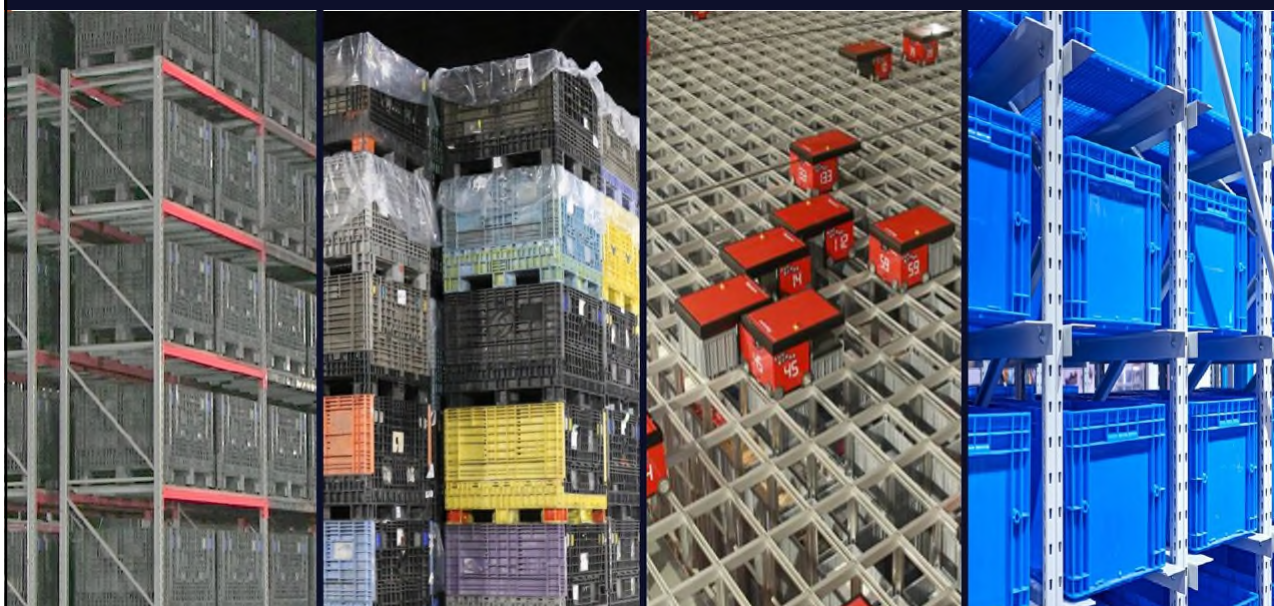
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Containers are important

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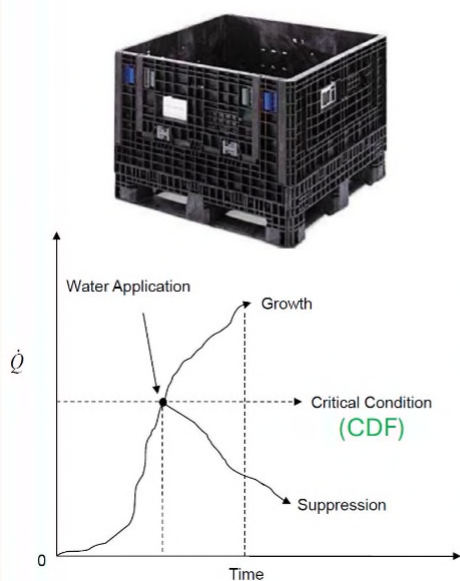


Activation of Water Application Apparatus

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Evaluation of the Open-Top Container Hazard

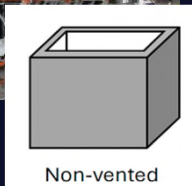
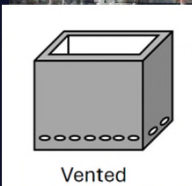
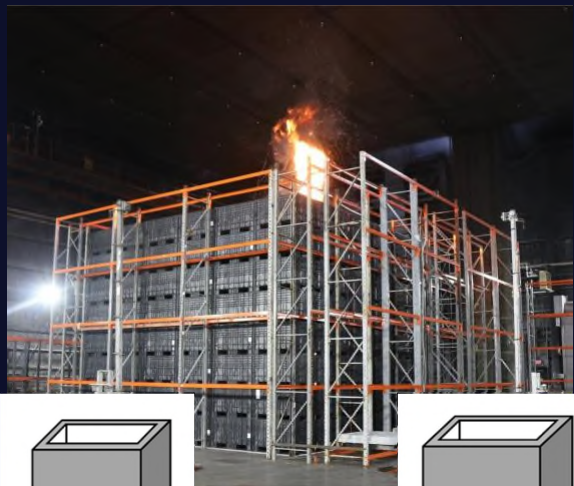


Water Application Apparatus



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Holes are important



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CLASS NUMBER 4993

Examination Standard for Vented
Open-Top Nonexpanded Plastic Bulk
Containers (VOTCs)

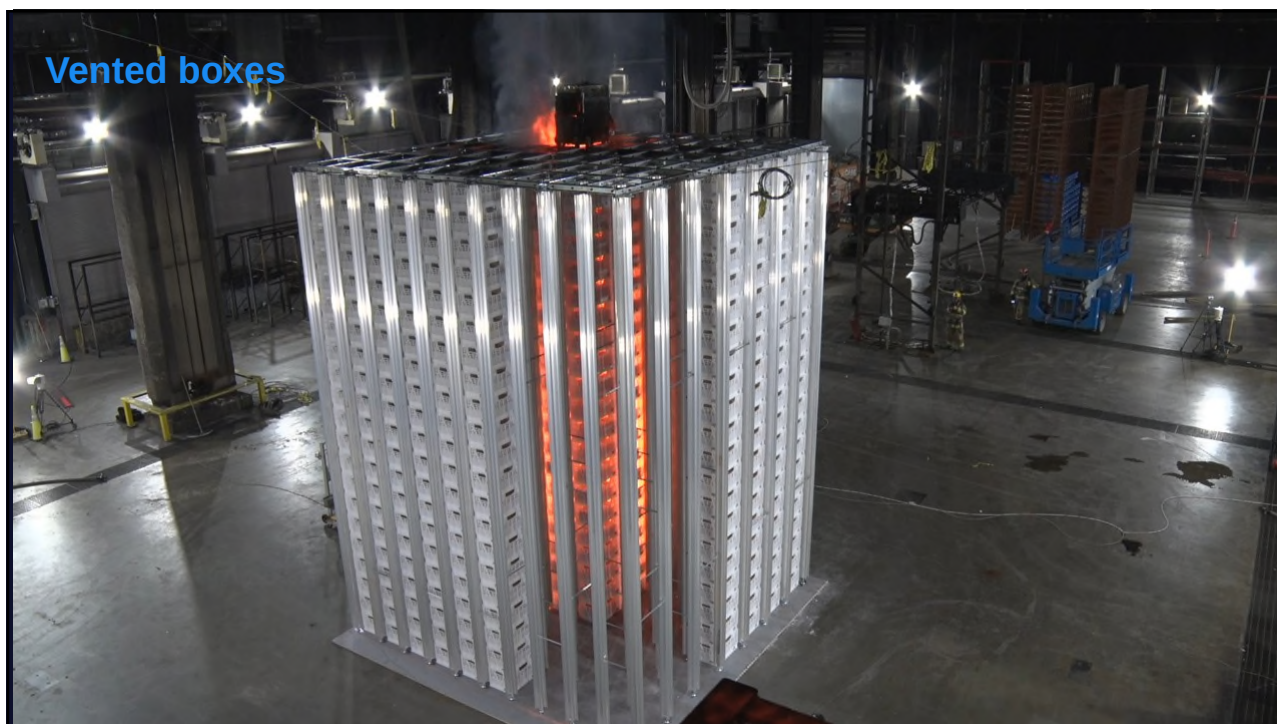
January 2025

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Too many holes is also a factor



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Change the container

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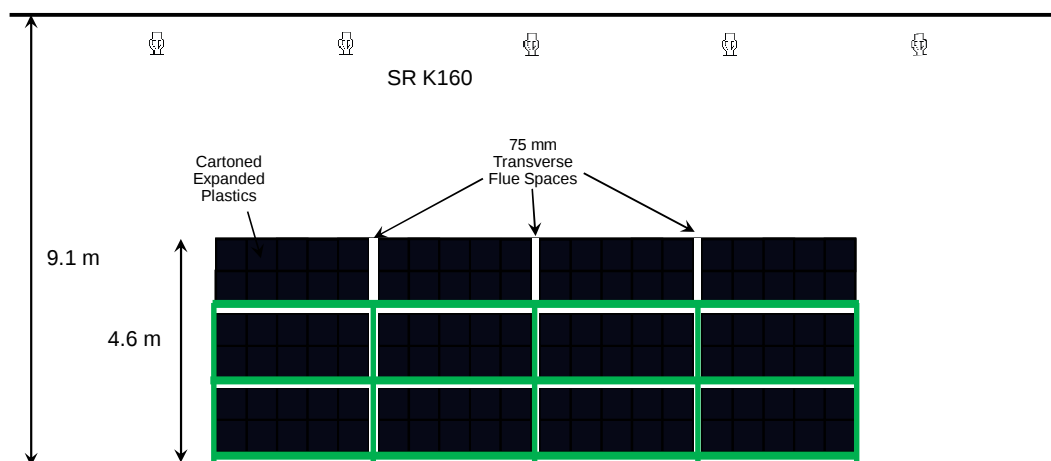
Examination Standard for Non-Flame-Propagating Containers Used in Top-Loading Automatic Storage and Retrieval Systems (TL-ASRS)

December 2023

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Flue spaces are important

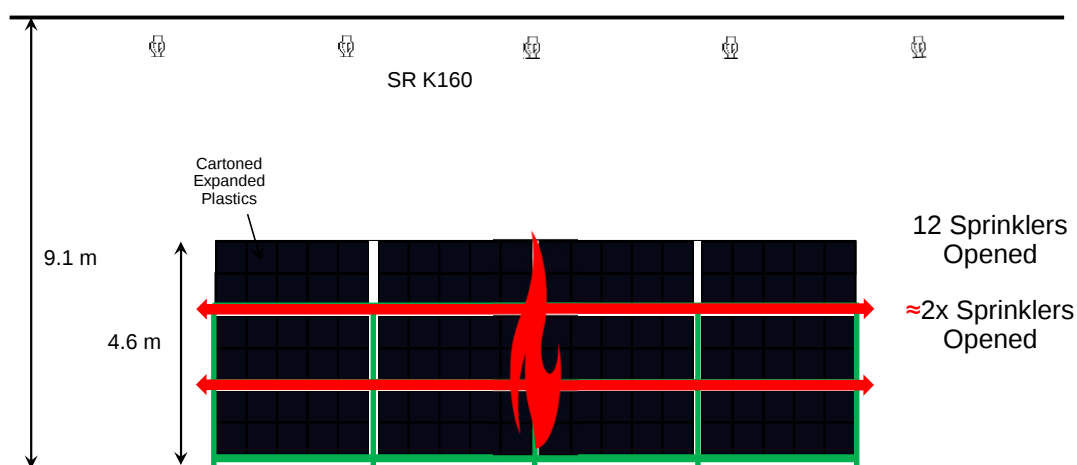
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Its not new - fire moves horizontally

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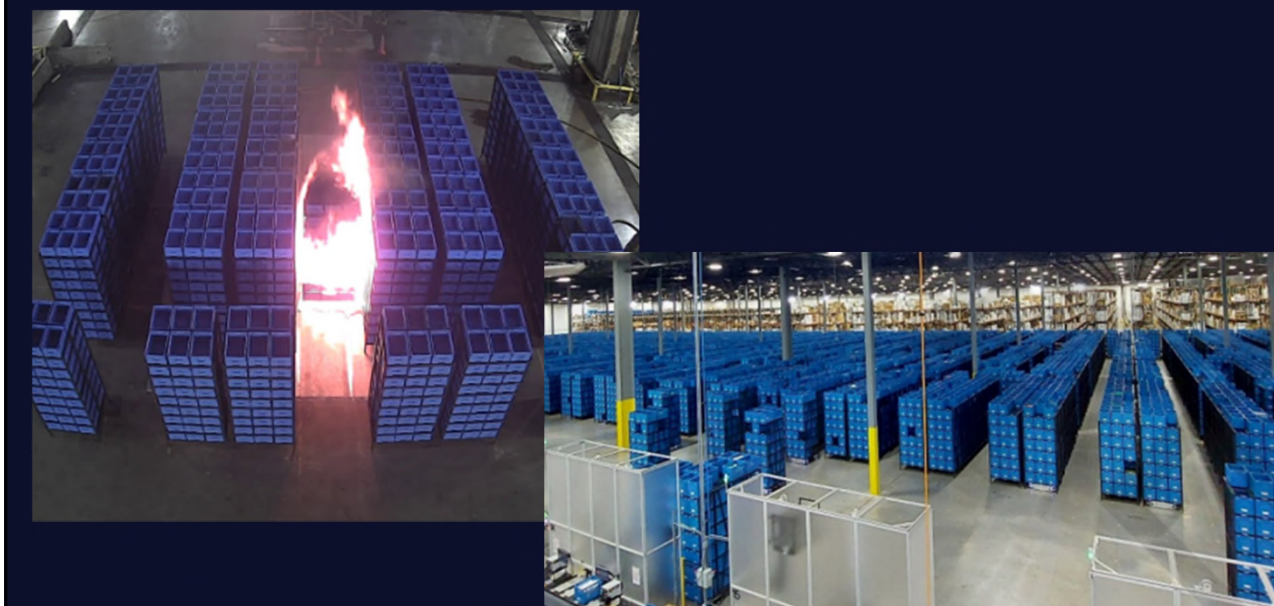
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Density of storage – multiple row racks



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Flexible density - more than one challenge



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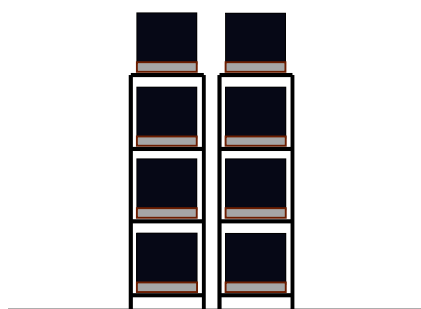
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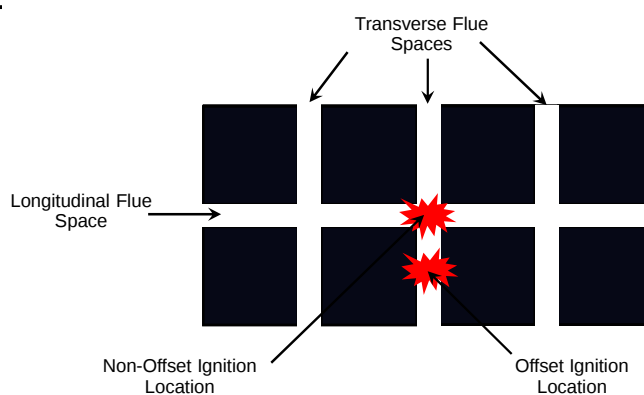
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Ignition location

Ceiling



Elevation View

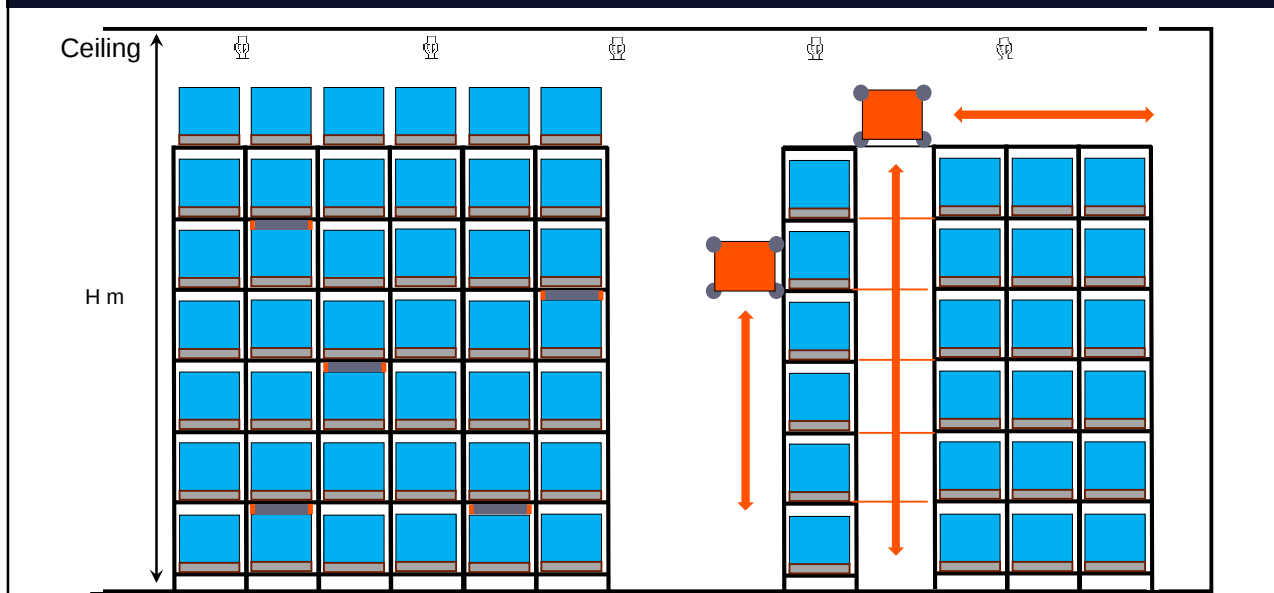


Plan View

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Where is the most suitable ignition location now?

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Solutions can be challenging

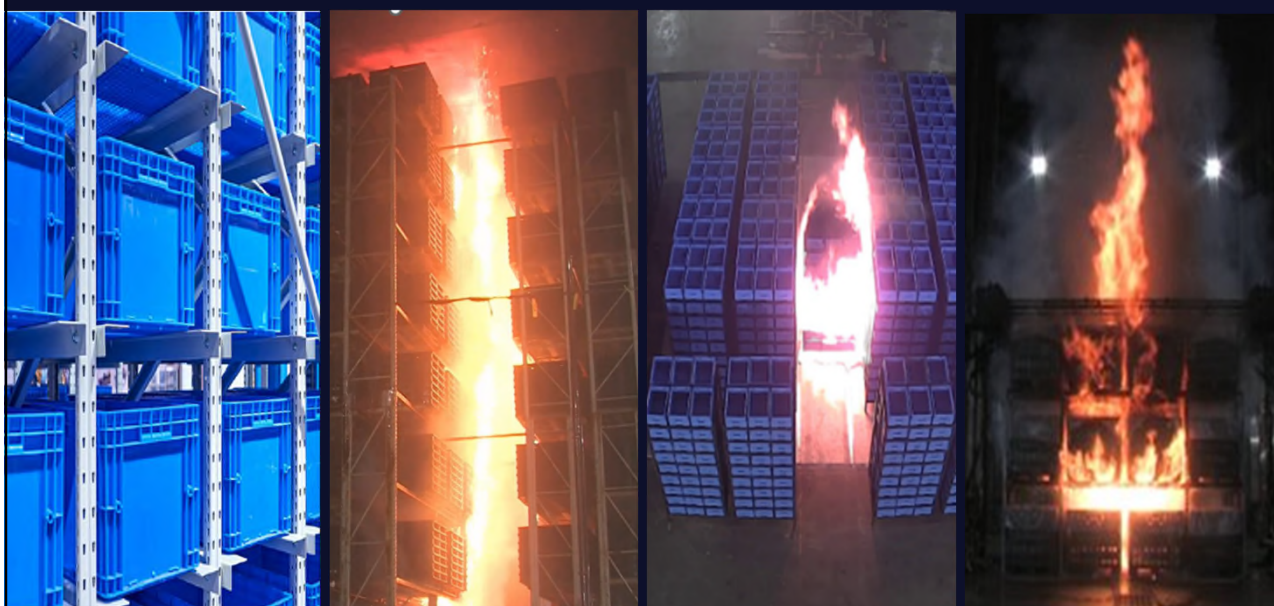
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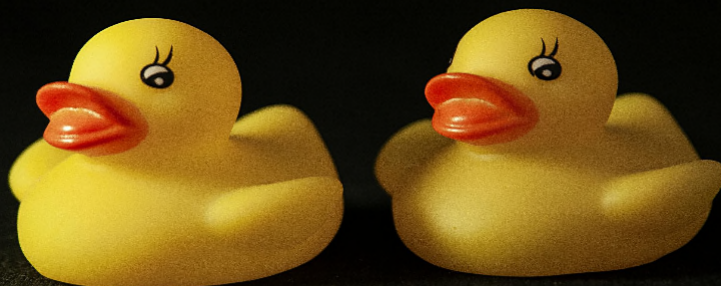
Are we reaching the limit?

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“Als het eruitziet als een eend en kwaakt als een eend,
dan is het een eend.” is het misschien wel een eend.”



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Did you read the Scope?

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Closing thoughts

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Thank you. Any questions?

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