AFSA45
HANDBOOKS FOR THE DESIGN, INSTALLATION AND INSPECTION OF SEISMIC PROTECTION SYSTEMS
Olivier Braquet
SAN ANTONIO, TX
AFSA
American Fire Sprinkler Association

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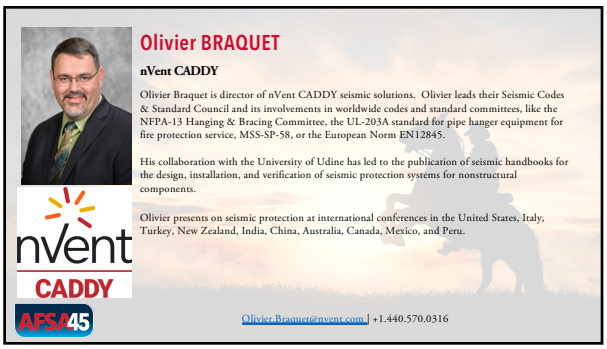
Olivier BRAQUET
nVent CADDY
Olivier Braquet is director of nVent CADDY seismic solutions. Olivier leads their Seismic Codes & Standard Council and its involvements in worldwide codes and standard committees, like the NFPA-13 Hanging & Bracing Committee, the UL-203A standard for pipe hanger equipment for fire protection service, MSS-SP-58, or the European Norm EN12845.
His collaboration with the University of Udine has led to the publication of seismic handbooks for the design, installation, and verification of seismic protection systems for nonstructural components.
Olivier presents on seismic protection at international conferences in the United States, Italy, Turkey, New Zealand, India, China, Australia, Canada, Mexico, and Peru.
nVent
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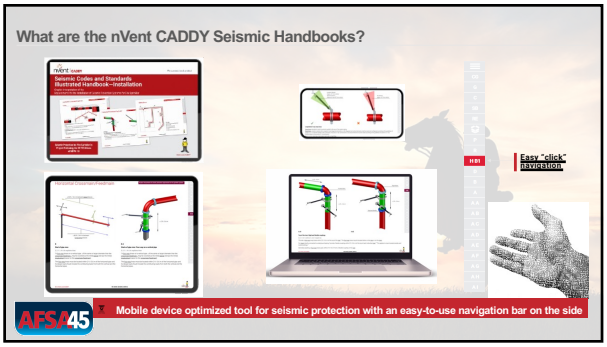
What are the nVent CADDY Seismic Handbooks?
Easy "click" navigation
AFSA45
Mobile device optimized tool for seismic protection with an easy-to-use navigation bar on the side

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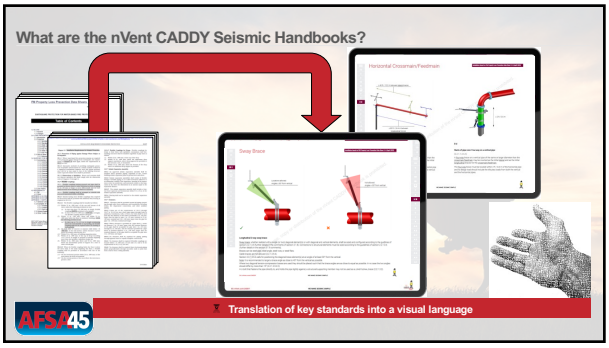
What are the nVent CADDY Seismic Handbooks?
AFSA45
Translation of key standards into a visual language

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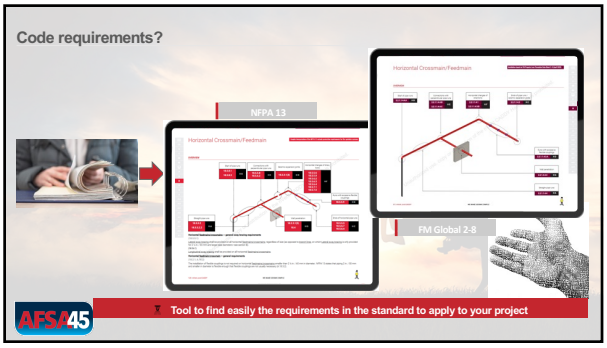
Code requirements?
NFPA 13
FM Global 2-8
AFSA45
Tool to find easily the requirements in the standard to apply to your project

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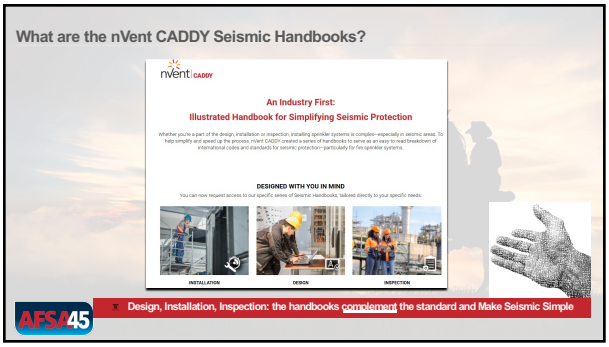
What are the nVent CADDY Seismic Handbooks?
nVent CADDY
An Industry First:
Illustrated Handbook for Simplifying Seismic Protection
DESIGNED WITH YOU IN MIND
INSTALLATION
DESIGN
INSPECTION
AFSA45
Design, Installation, Inspection: the handbooks complement the standard and Make Seismic Simple

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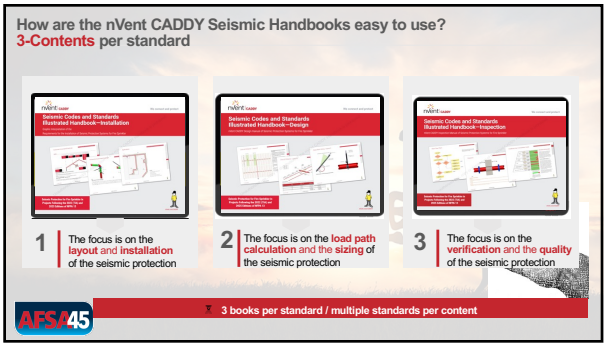
How are the nVent CADDY Seismic Handbooks easy to use?
3-Contents per standard
1 The focus is on the layout and installation of the seismic protection
2 The focus is on the load path calculation and the sizing of the seismic protection
3 The focus is on the verification and the quality of the seismic protection
AFSA45
3 books per standard / multiple standards per content

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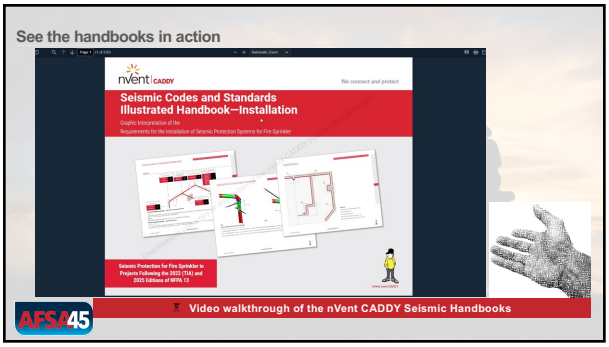
See the handbooks in action
nVent CADDY
Seismic Codes and Standards
Illustrated Handbook—Installation
AFSA45
Video walkthrough of the nVent CADDY Seismic Handbooks

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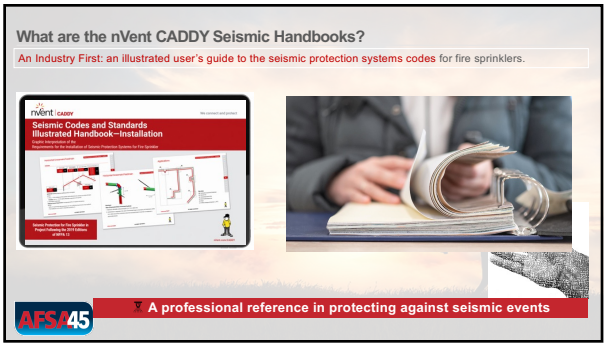
What are the nVent CADDY Seismic Handbooks?
An Industry First: an illustrated user's guide to the seismic protection systems codes for fire sprinklers.
nVent CADDY
Seismic Codes and Standards
Illustrated Handbook—Installation
AFSA45
A professional reference in protecting against seismic events

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Seismic damage inflicted by a fire sprinkler system
AFSA45
Broken walls, floors, adjacent systems and pipes – Causes: Differential movements, No clearance

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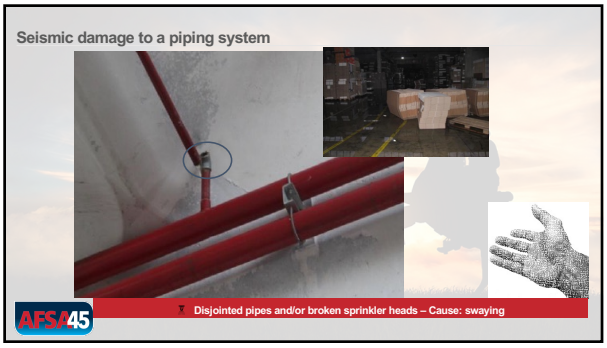
Seismic damage to a piping system
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Disjointed pipes and/or broken sprinkler heads – Cause: swaying

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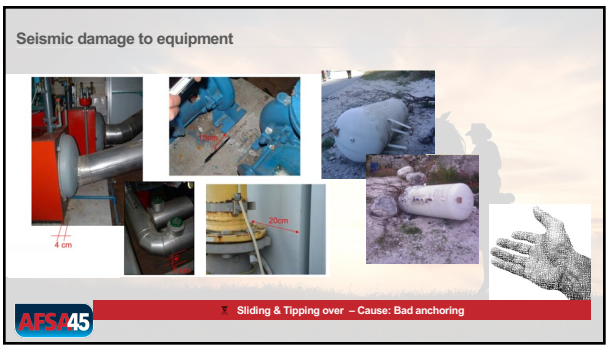

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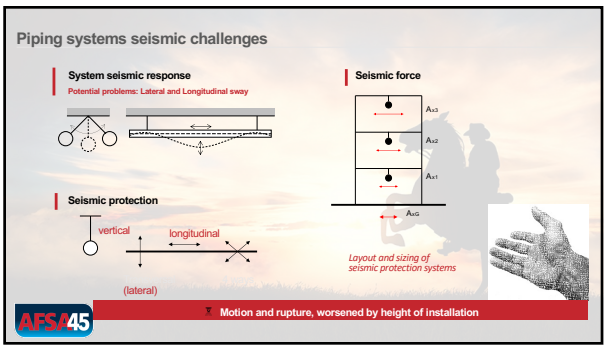

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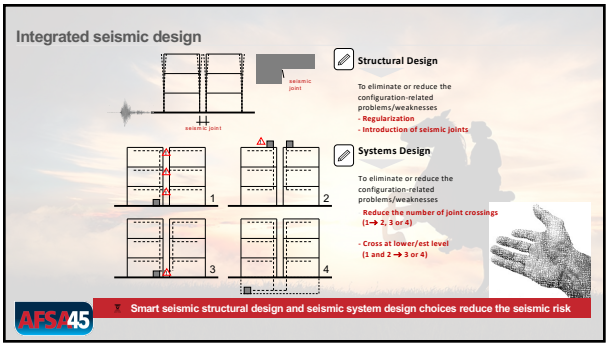

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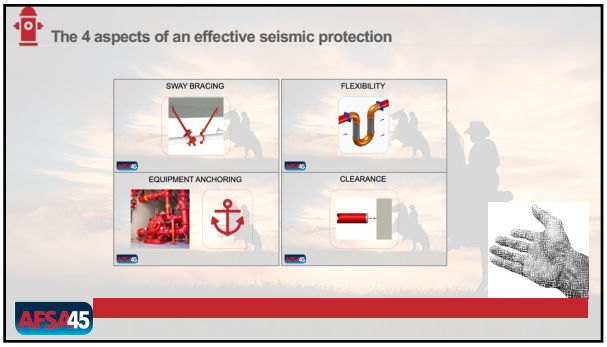

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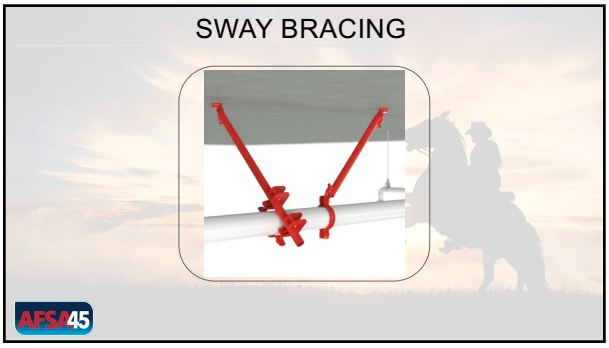

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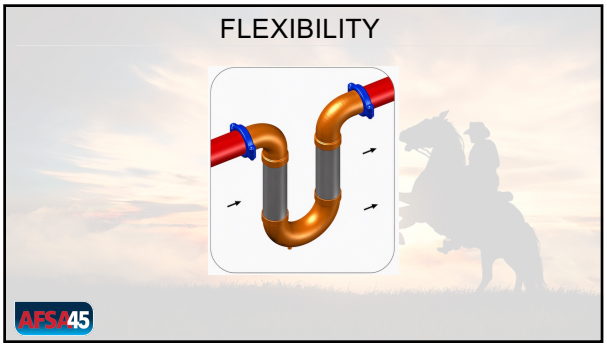

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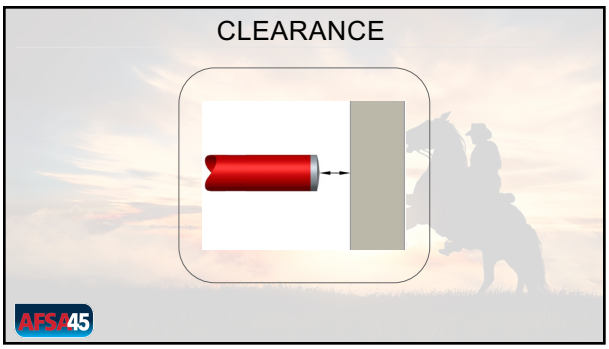

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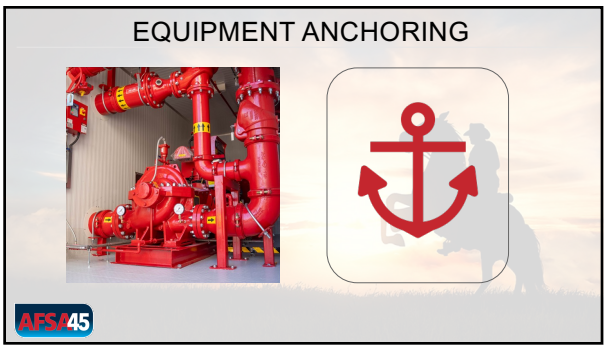

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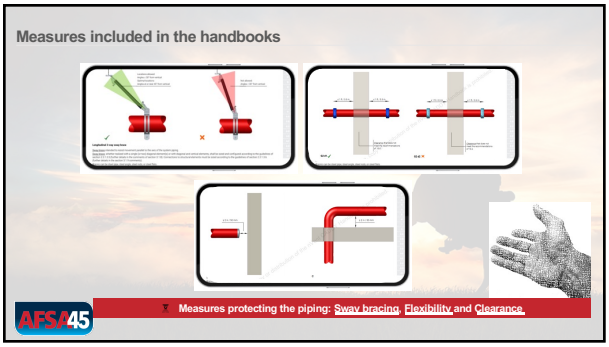

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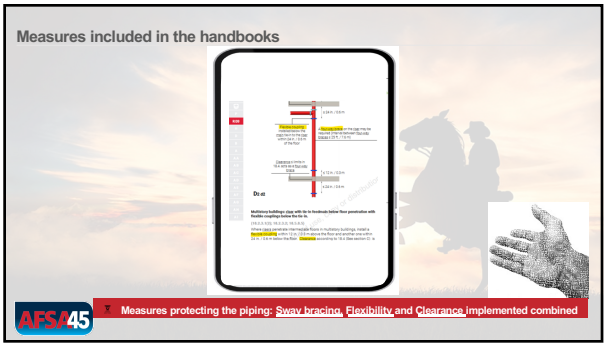

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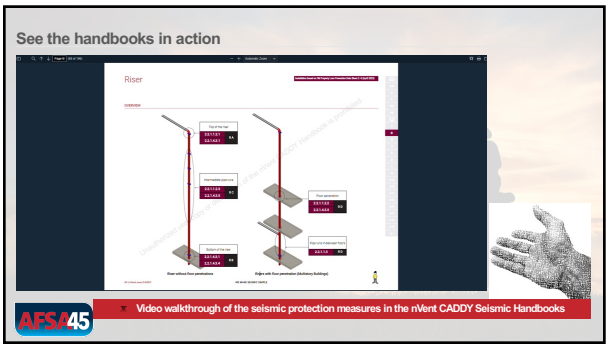

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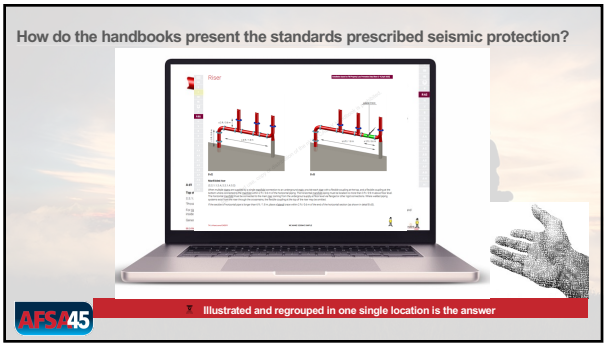

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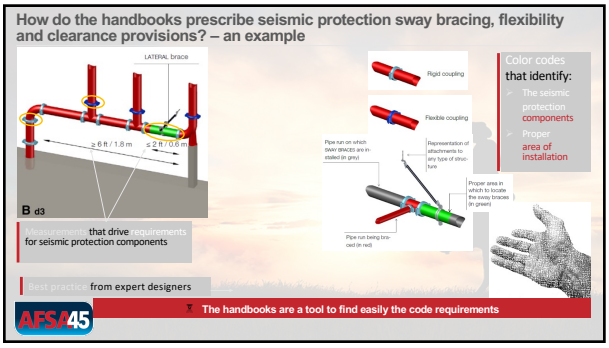

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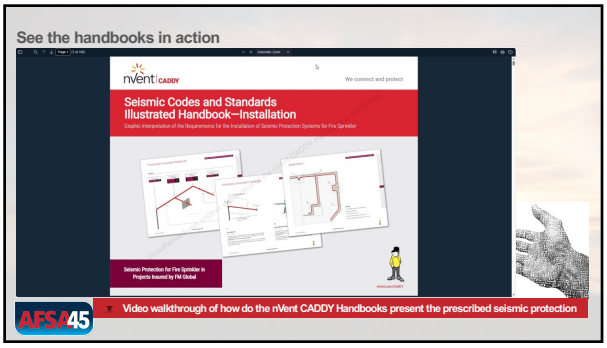

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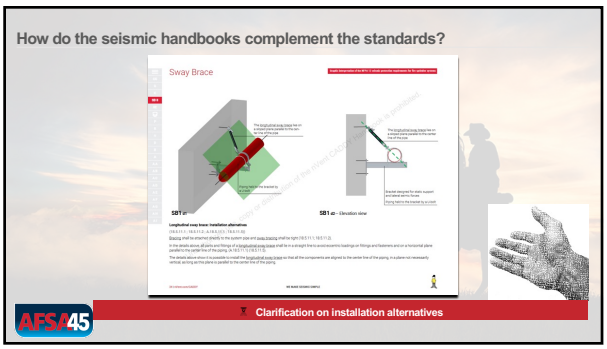

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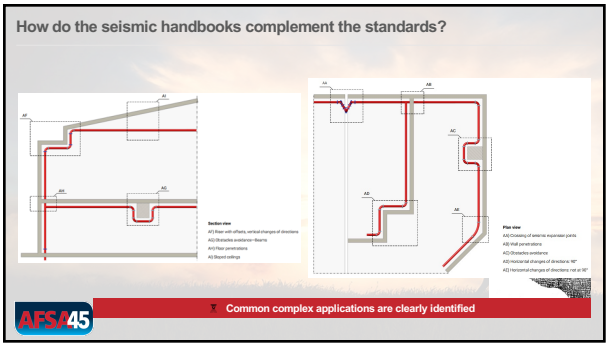

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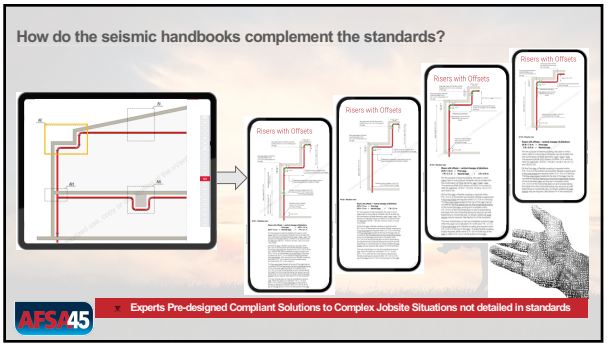

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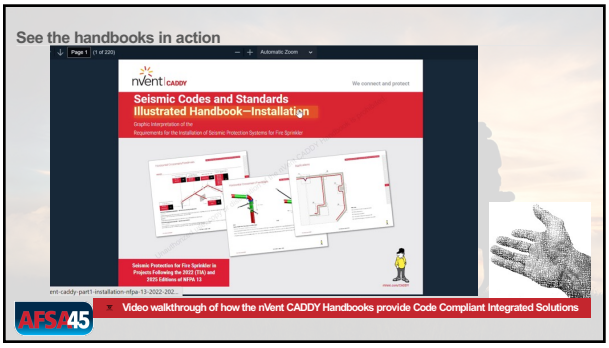

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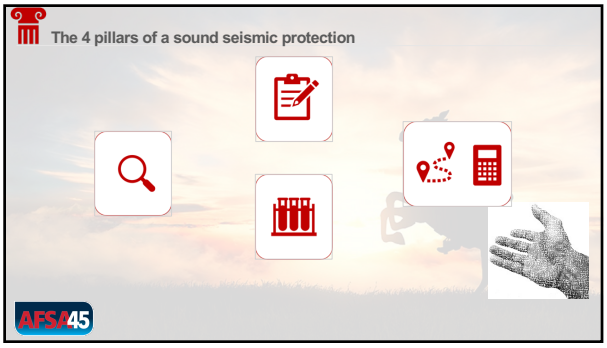

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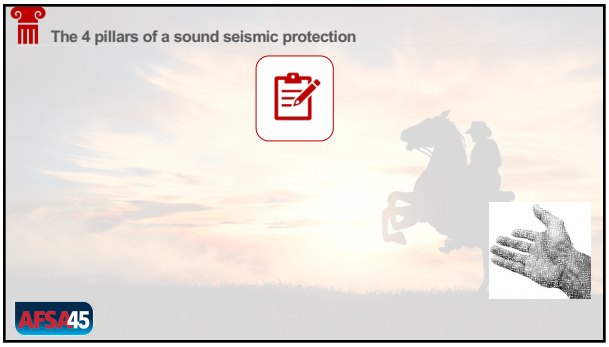

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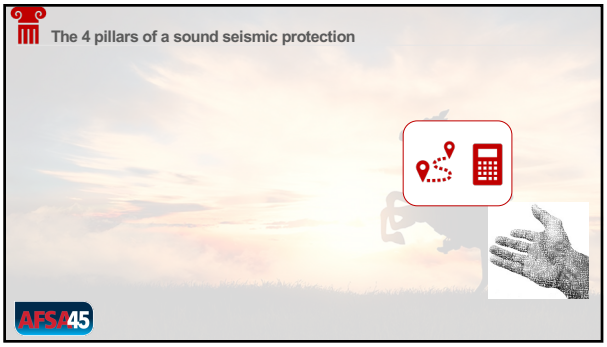

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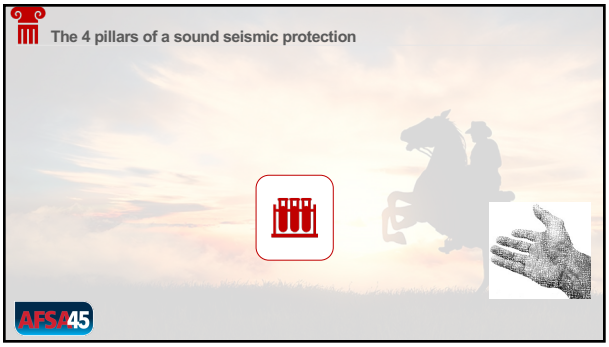

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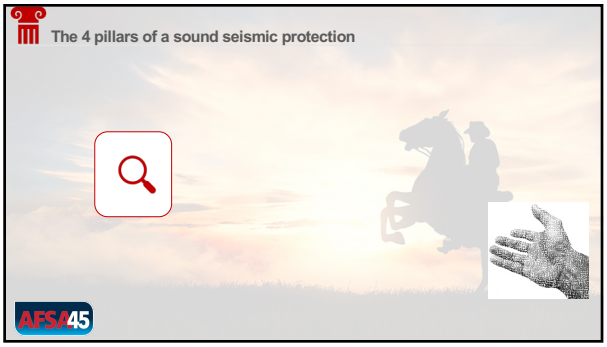

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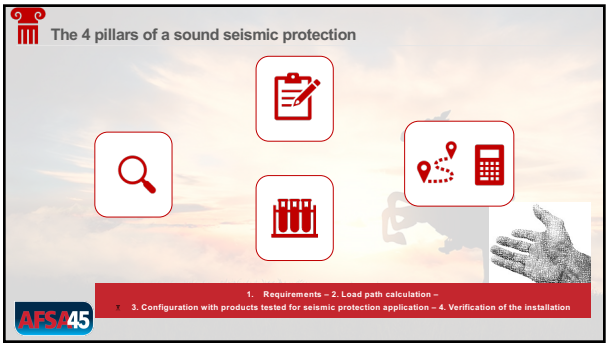

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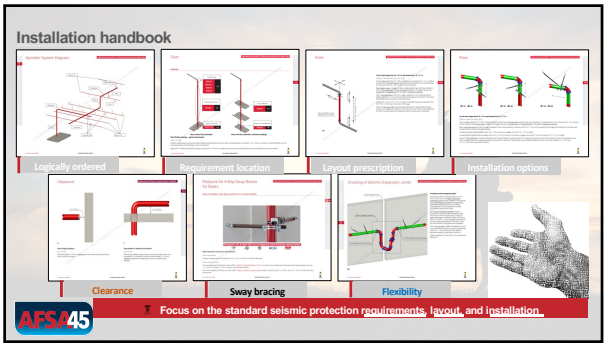

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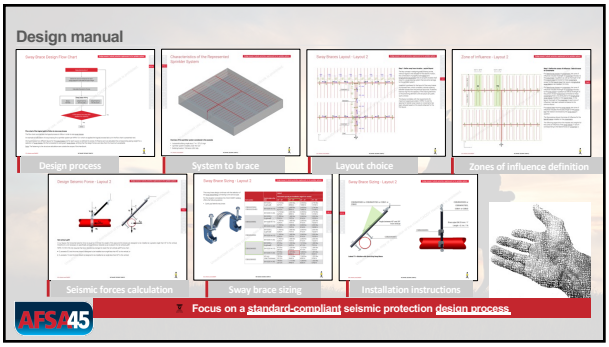

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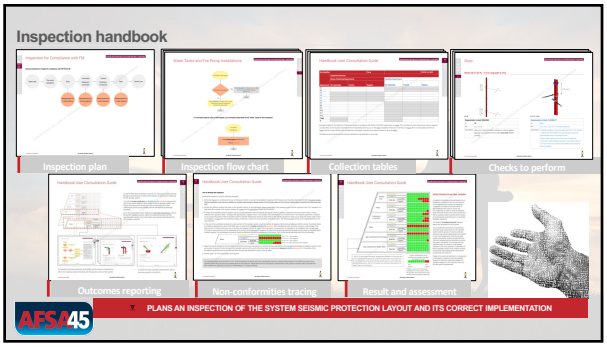

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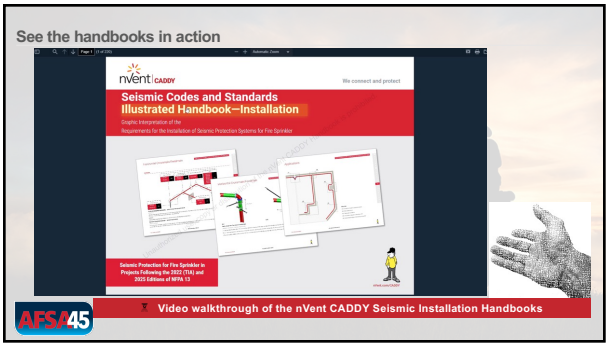

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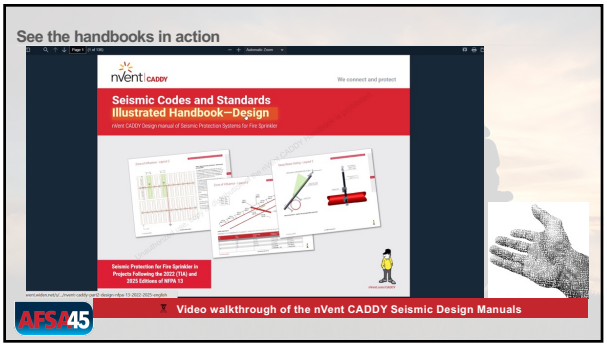

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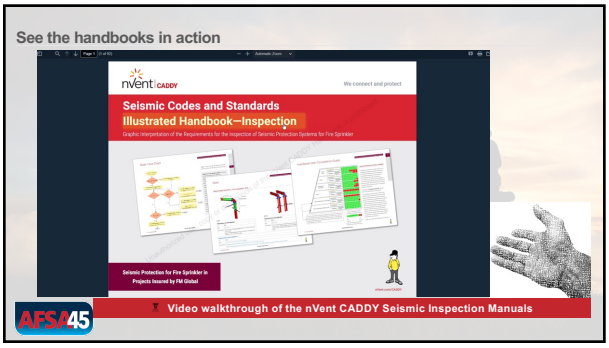

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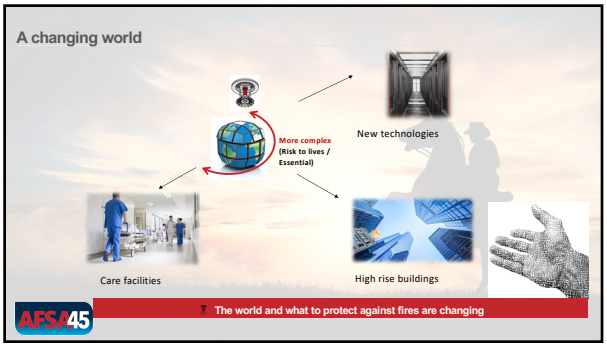

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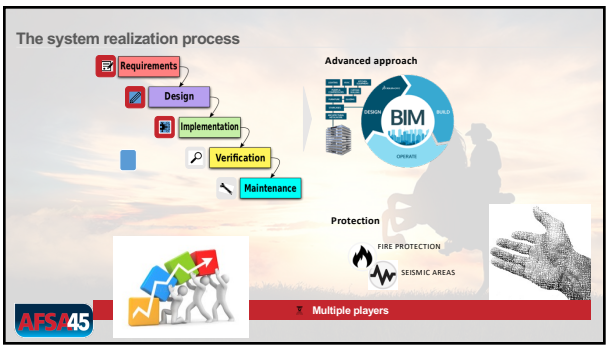

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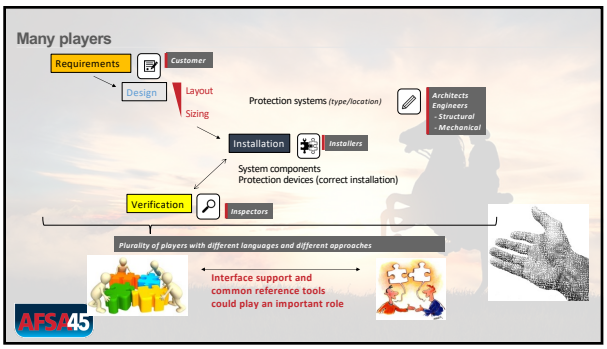

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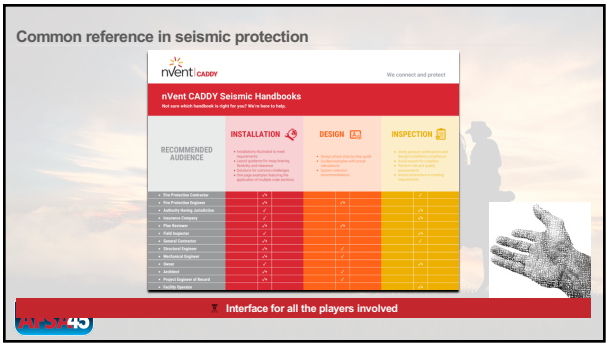

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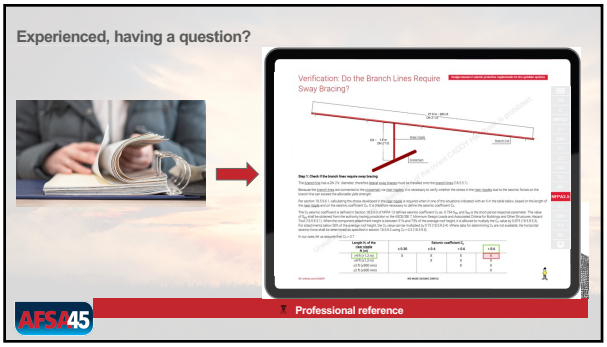

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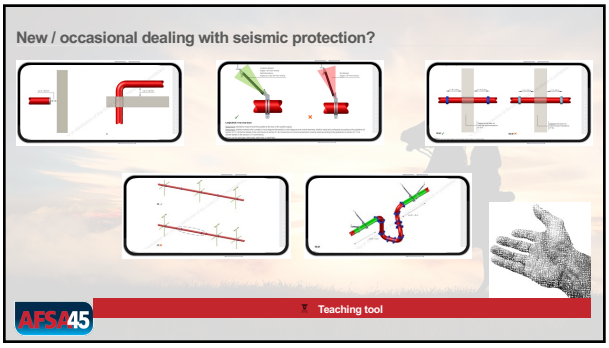

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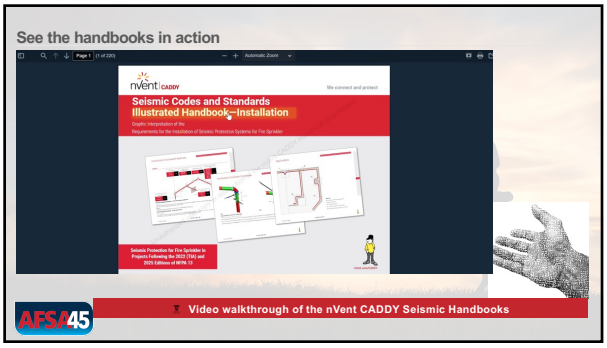

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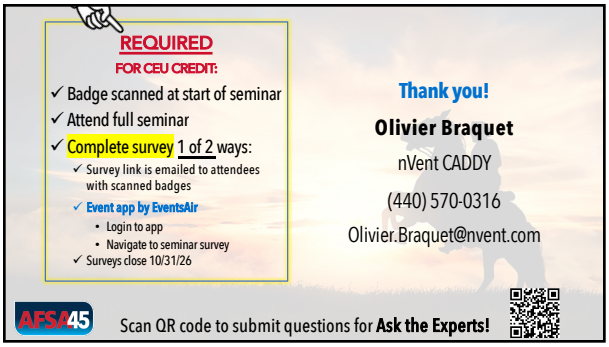
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✓ Badge scanned at start of seminar
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Thank you!
Olivier Braquet
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Olivier.Braquet@nvent.com
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Scan QR code to submit questions for Ask the Experts!

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2027 Training Schedule

WEBINARS

1/6	Updates to NFPA 20
1/20	Calculating Pressure Reducing Hose Valves
2/3	Consumer Alert: Nitrogen in Sprinkler Systems
2/17	Reviewing Hydraulic Calculations
3/3	Updates to NFPA 13, 2028 Ed.
3/17	Updates to NFPA 13R & 13D, 2028 Eds.
4/7	Topic Coming Soon
4/21	NFPA 25: Roles & Responsibilities
5/5	Standpipe Flow Test Procedures
5/19	Storage 101
6/2	NFPA Technical Meeting - Voting Guide
6/16	Topic Coming Soon
6/30	Topic Coming Soon
7/7	Updates to NFPA 14, 2027 Edition
7/21	Adjacent Hazards & Design Methods
8/4	Acceptance Testing
8/18	Modifications to Existing Systems
9/22	Topic Coming Soon
10/6	Seismic 101
10/20	Proposed Updates to NFPA 25, 2029 Ed.
11/3	Evaluating Fire Pump Flow Tests
11/17	Top 10 Tech Reviews
12/1	Designing Water Storage Tanks
12/15	Pump Room Layout

PROGRAMS

Feb 9 - Mar 5 Apr 20 - May 14 Aug 3 - Aug 27** Oct 26 - Nov 19	Beginning Design School*
Apr 26 - May 7 Nov 1 - 12	Intermediate Design School*
Feb 8 - 10** Apr 12 - 14 Jul 12 - 14 Oct 11 - 13	Sprinkler Hydraulics Calculations Workshop
Apr 19 - 21 Oct 18 - 20	Advanced Hydraulics Calculations Workshop
Feb 11** Apr 30 Jul 23 Sep 24	Introduction to the Fire Sprinkler Industry
Mar 1 - 3 May 17 - 19 Aug 16 - 18 Oct 18 - 20**	NFPA 25 Essentials Workshop
Jun 7 - 10 Sep 20 - 23	Experienced Inspector Skills Lab
Mar 4 - 5 May 20 - 21 Aug 19 - 20 Oct 21 - 22**	NFPA 25 Fire Pump Workshop
Spring Summer Fall	ITM Inspector Development Program* *This program is 20 months.*

** Hybrid course **At General Air Products Lab, Exton, PA*

AFSA46

September 8-11	Manchester Grand Hyatt San Diego, CA

For More Details Visit:
firesprinkler.org

AFSA
American Fire Sprinkler Association

Dates subject to change. Programs subject to minimum registrations.

rev 9/14/2026

Virtual Instruction Path (VIP)

for Sprinkler Fitting Apprentices

Level 1 - Begins January 2027

Level 2 - Begins February 2027

Level 3 - Begins January 2027

Level 4 - Begins March 2027

www.firesprinkler.org/VIP

AFSA
American Fire Sprinkler Association

HANDS-ON WORKSHOPS FOR 2027

FEATURING AFSA'S TRAINING LAB

NFPA 25 Essentials Workshop

Mar | May | Aug | Oct

Description: Understand roles, responsibilities, and NFPA 25 ITM procedures through hands-on testing of wet systems, dry systems, and fire pumps.

NFPA 25 Fire Pump Workshop

Mar | May | Aug | Oct

Description: Develop practical NFPA 25 fire pump ITM skills, including no-flow and full-flow testing, water supply graphing, and performance evaluation.

Introduction to the Fire Sprinkler Industry

Feb | Apr | Jul | Sep

Description: This course is designed for those new to the industry. An introductory, wide-ranging 8-hour course that provides a broad overview of core fire sprinkler industry concepts for those new to the field.

Experienced Inspector Skills Lab NEW

Mar | Sep

Description: Take your ITM expertise beyond the basics. Designed for experienced technicians, this course combines focused classroom instruction with hands-on system lab training to strengthen your application of current NFPA 25 inspection, testing, and maintenance requirements. Refine fire sprinkler testing practices, improve documentation, deliver more consistent service, and help reduce liability while reinforcing knowledge commonly covered on certification exams.

Learn more about AFSA's fire sprinkler lab featuring functional risers, a spray room, fire pumps, and an interactive classroom.

firesprinkler.org/lab