

EZSLAMX

Training Program



CHAPTER 14

C Graphs and Metrics



STS114, Slide 1

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1

C Graphs and Metrics

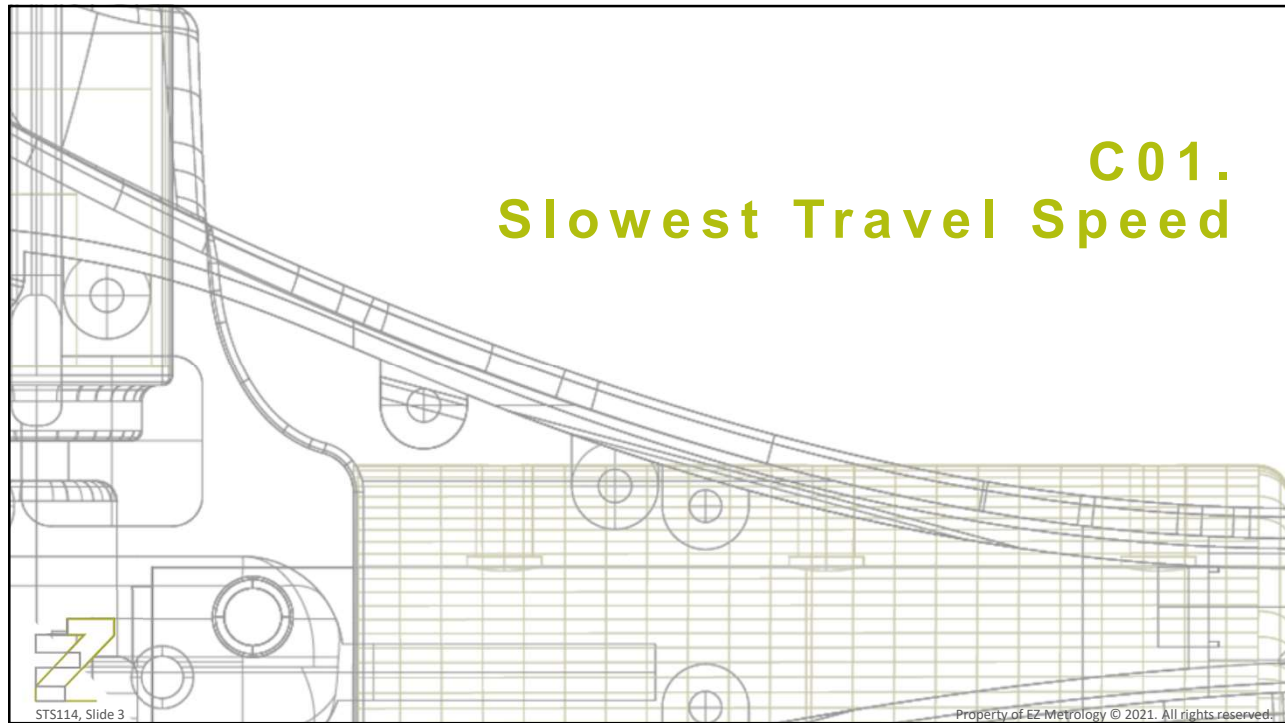
- C01. Slowest Travel Speed
- C02. User Energy
- C03. Drag
- C04. Friction
- C05. Cabin Dynamics
- C06. Seal Dynamics
- C07. Energy Buildup
- C08. Pressure Wave Size
- C09. Cabin Pressure Force
- C10. Pressure (Overslam)
- C11. User Force
- C12. Custom



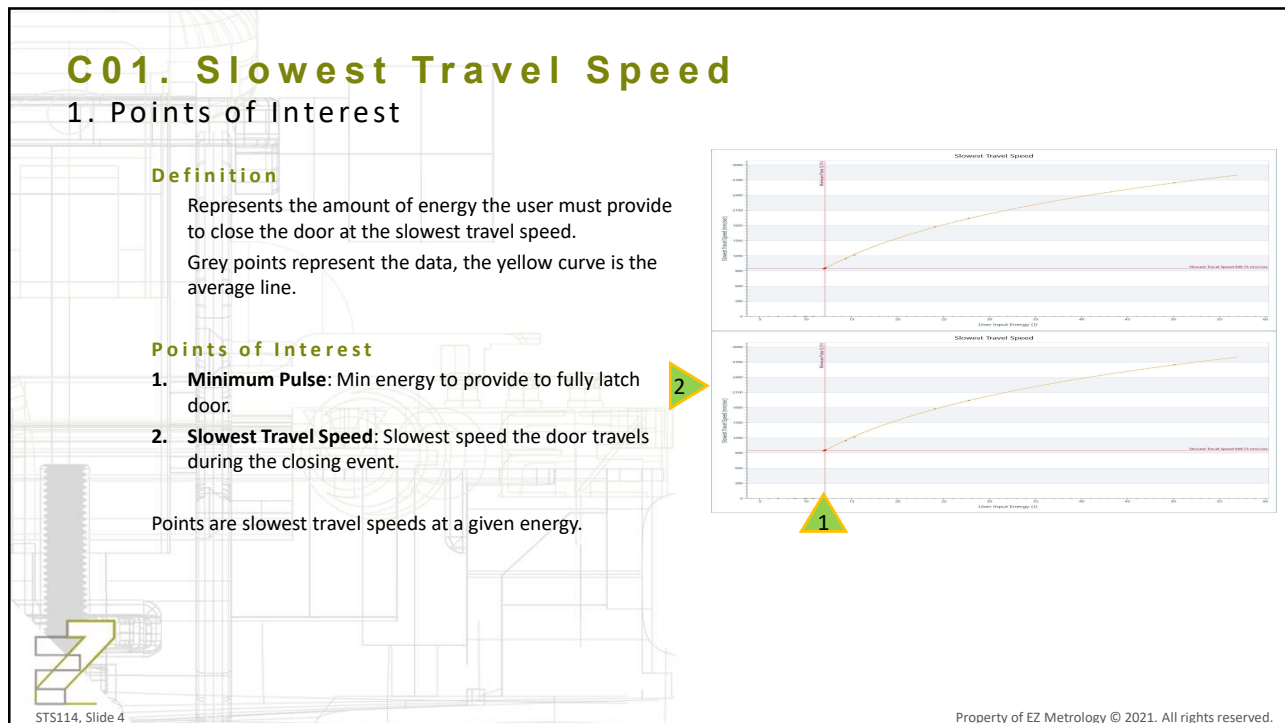
STS114, Slide 2

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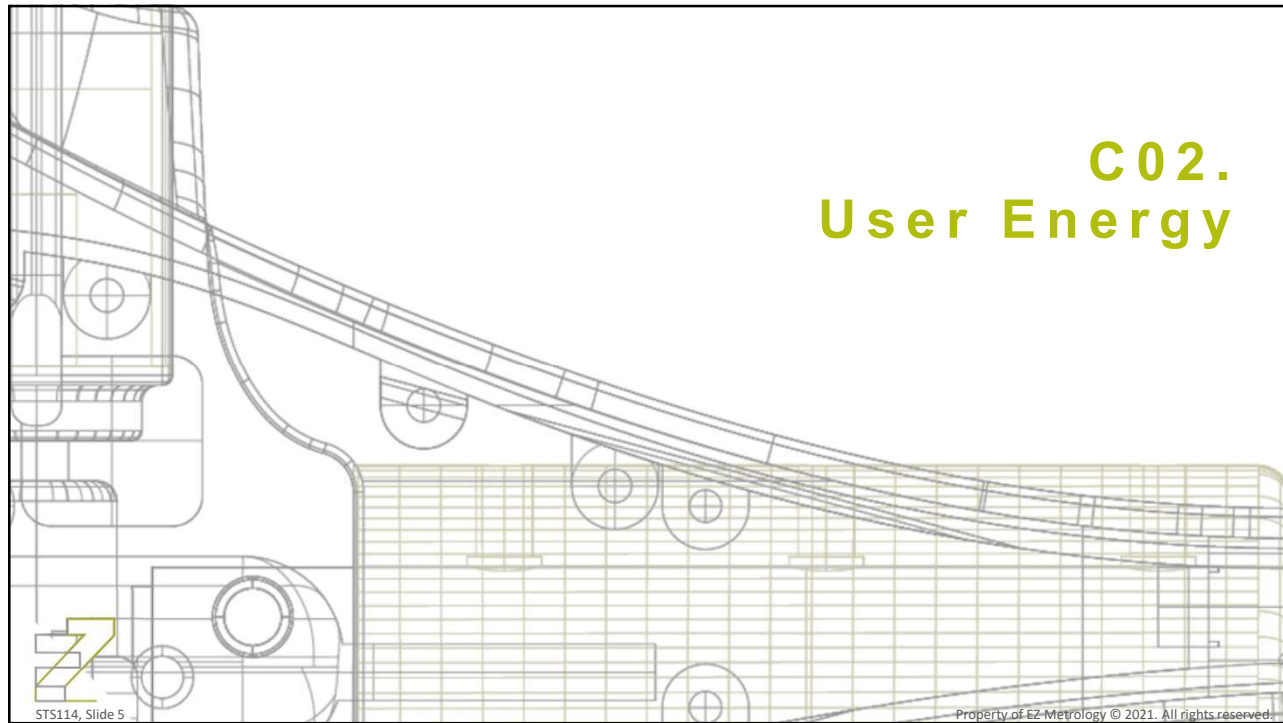
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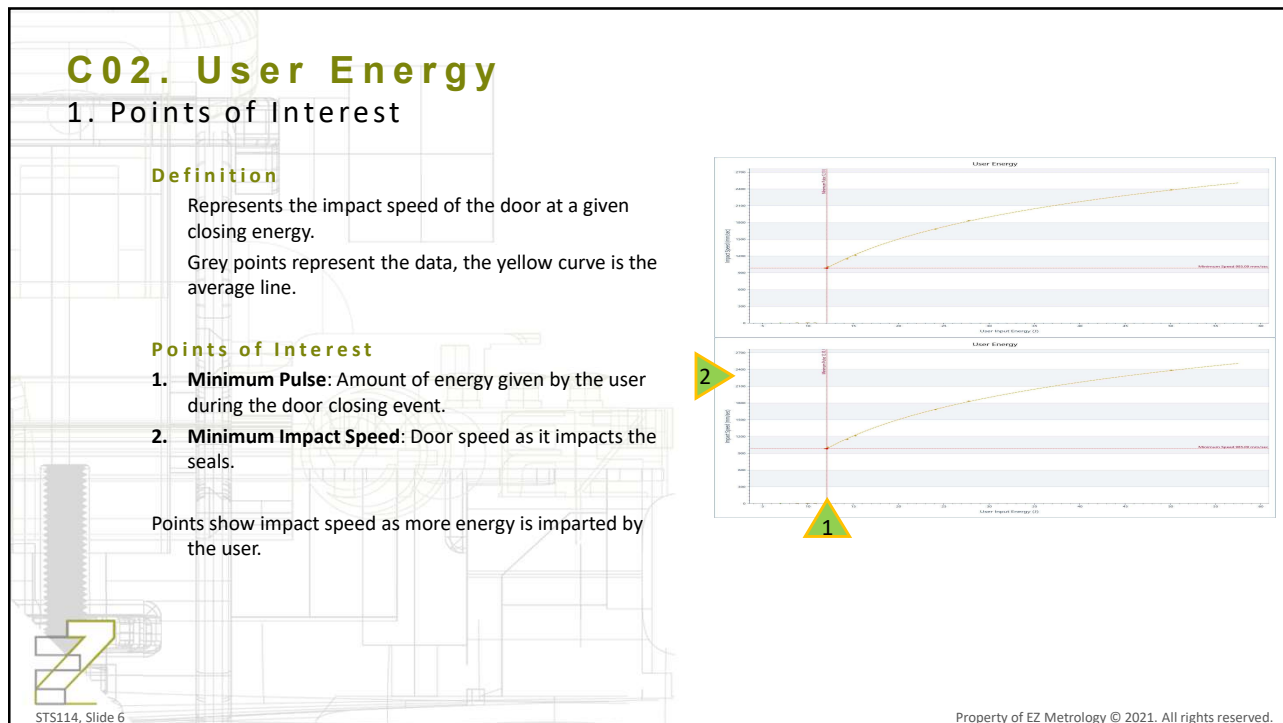
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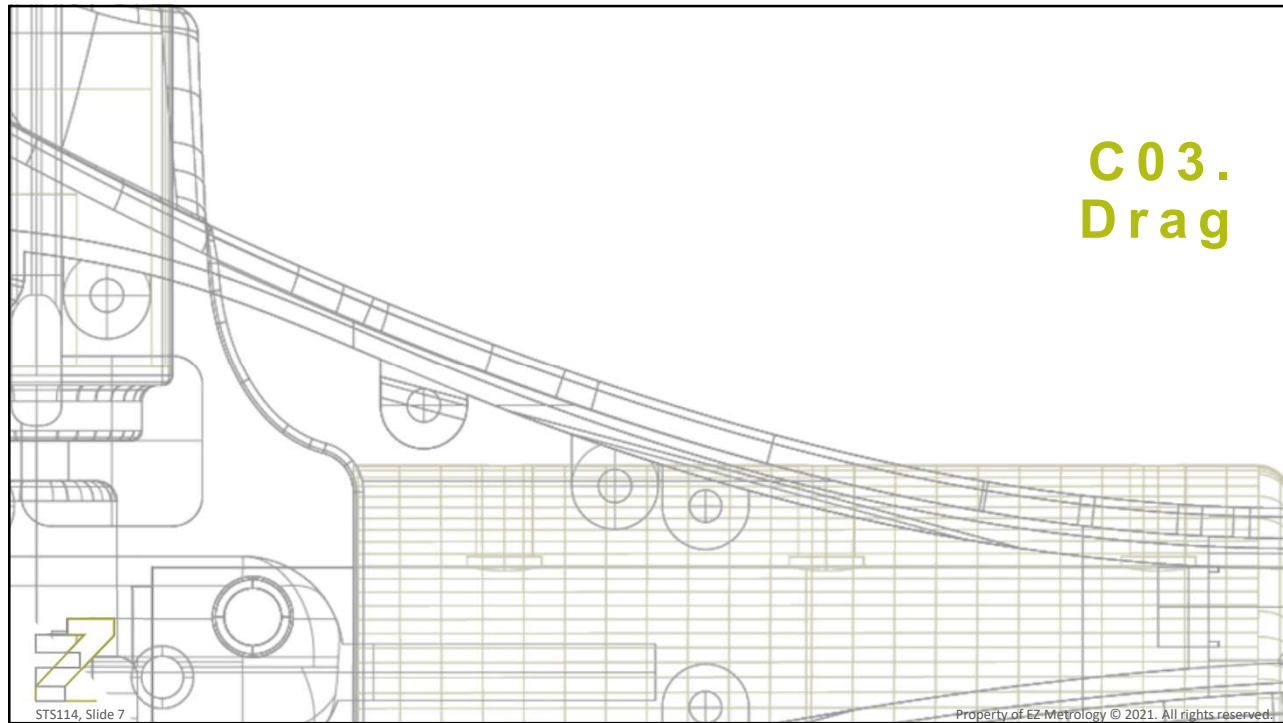
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C03. Drag

1. Points of Interest

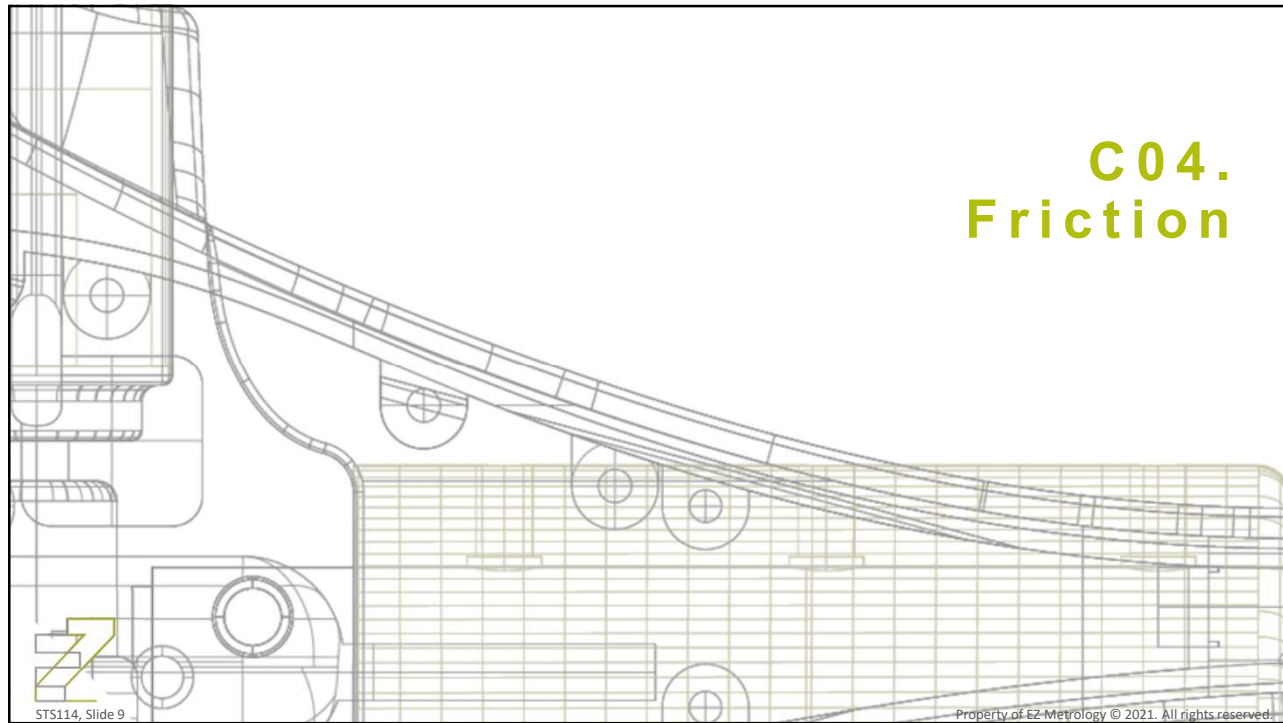
Definition
Represents the Total Energy Requirement to close the door and the Drag Loss at those energies.
Grey points represent the data, the yellow line is the average line.

Points of Interest

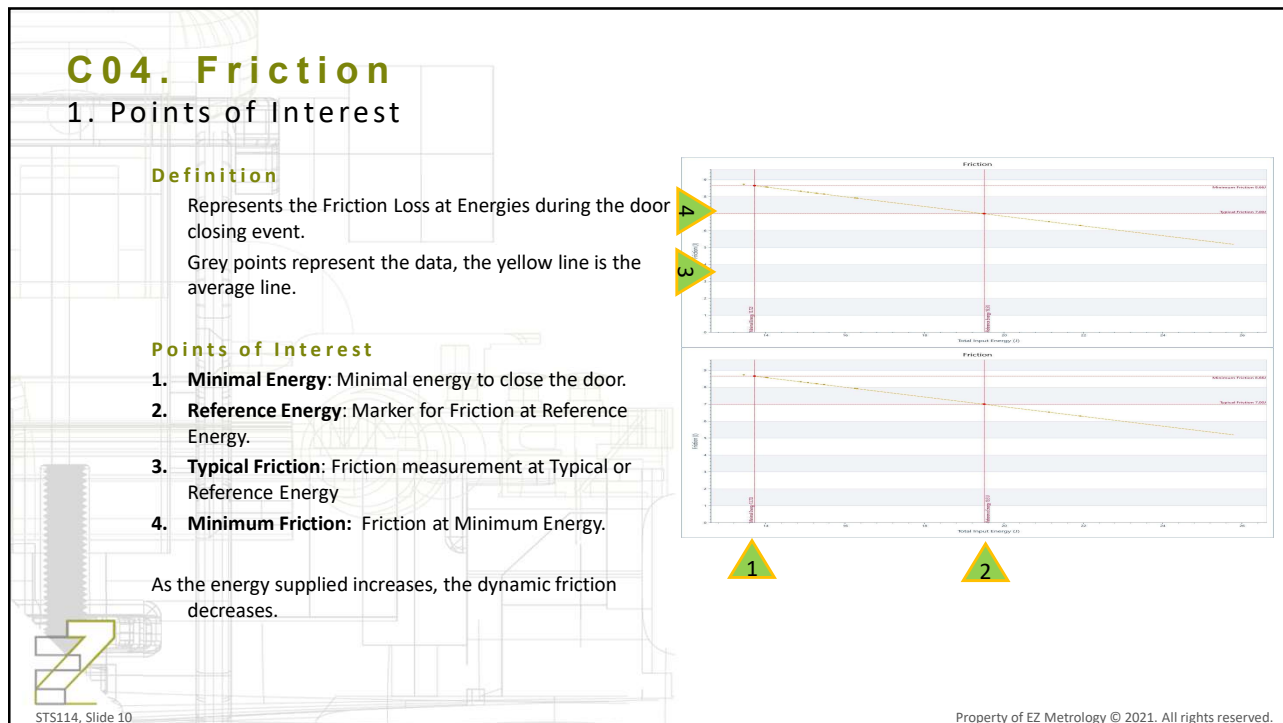
1. **Minimal Energy:** Minimum energy to fully close the door.
2. **Reference Energy:** Energy required to close the door at the typical speed.
3. **Minimal and Typical Drag:** Drag at minimum energy and Drag at typical speed.

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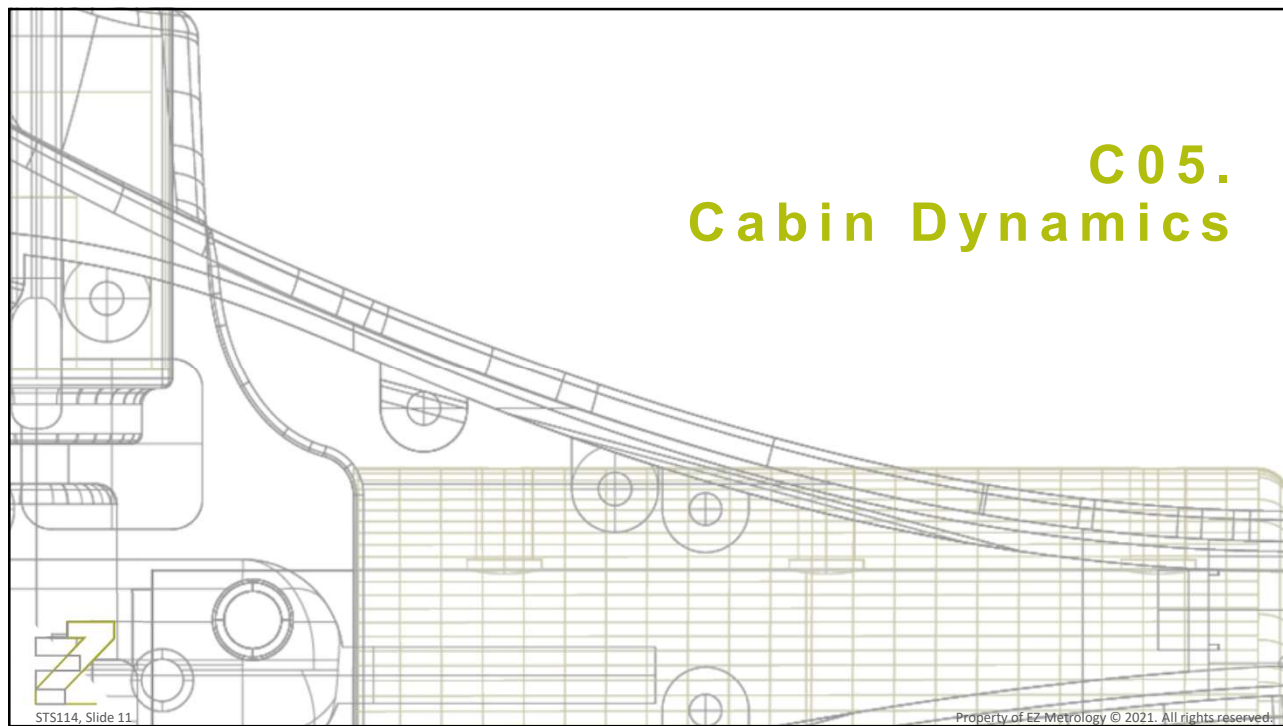
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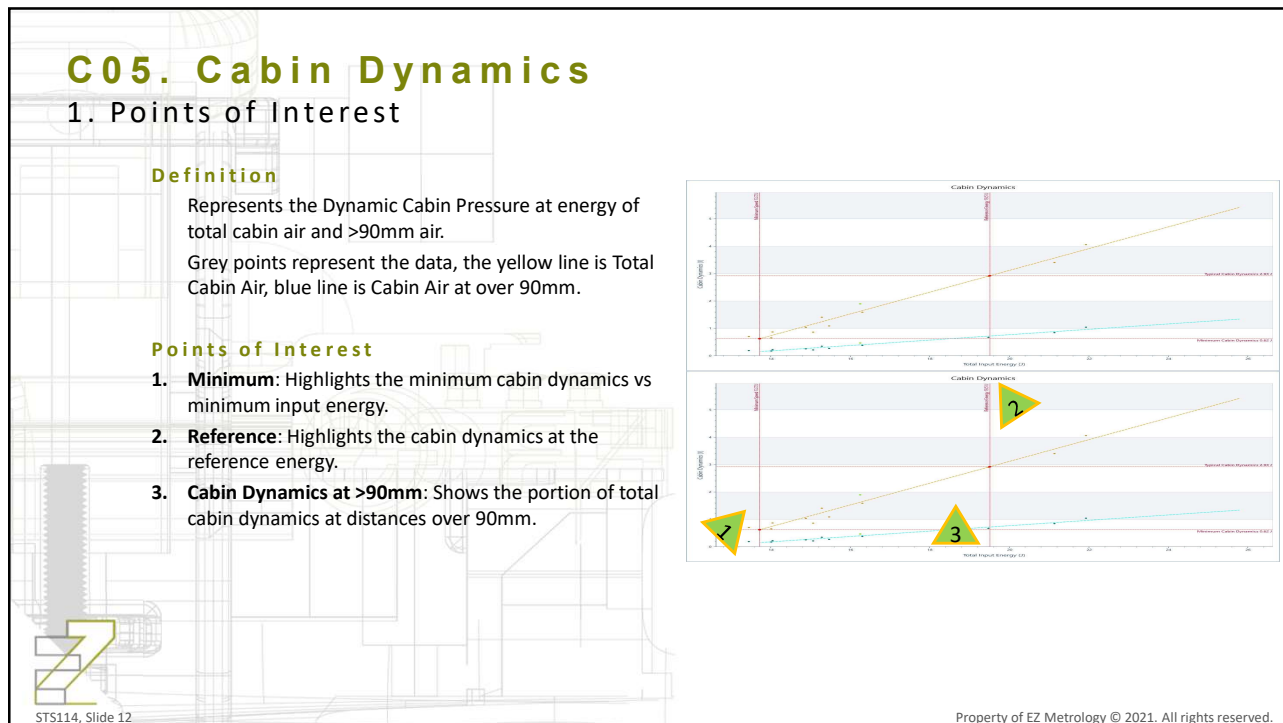
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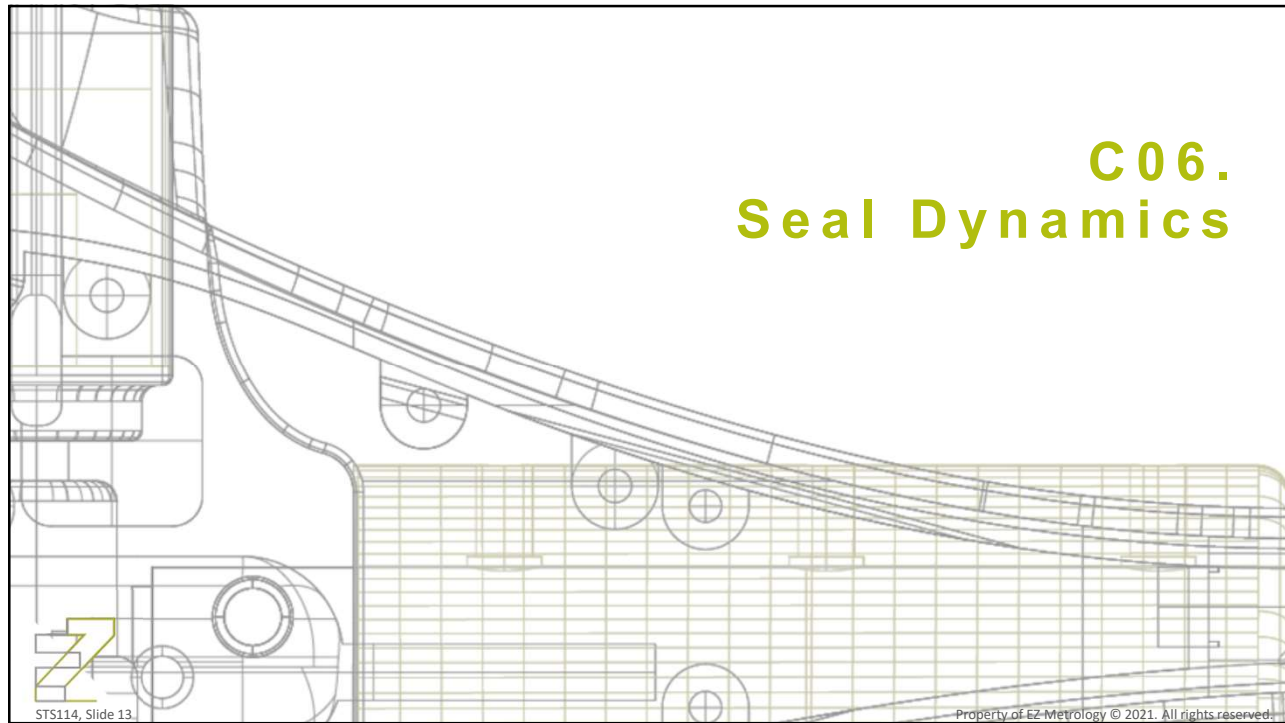
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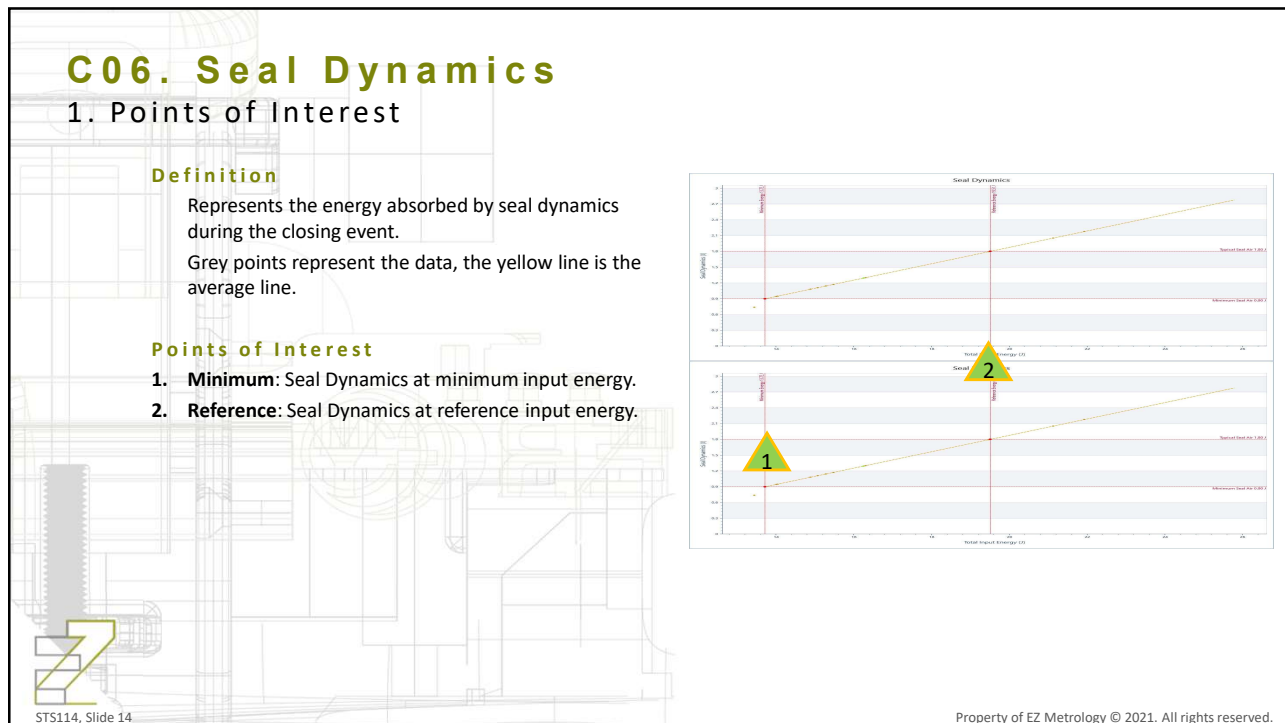
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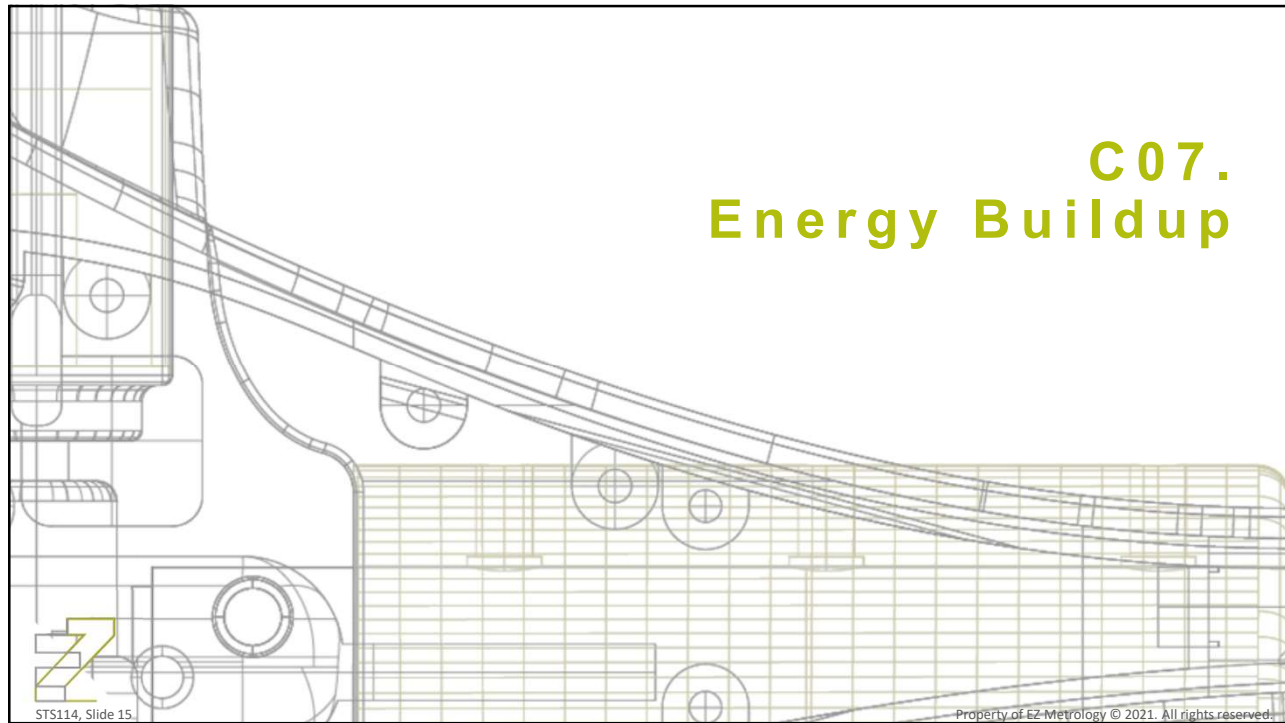
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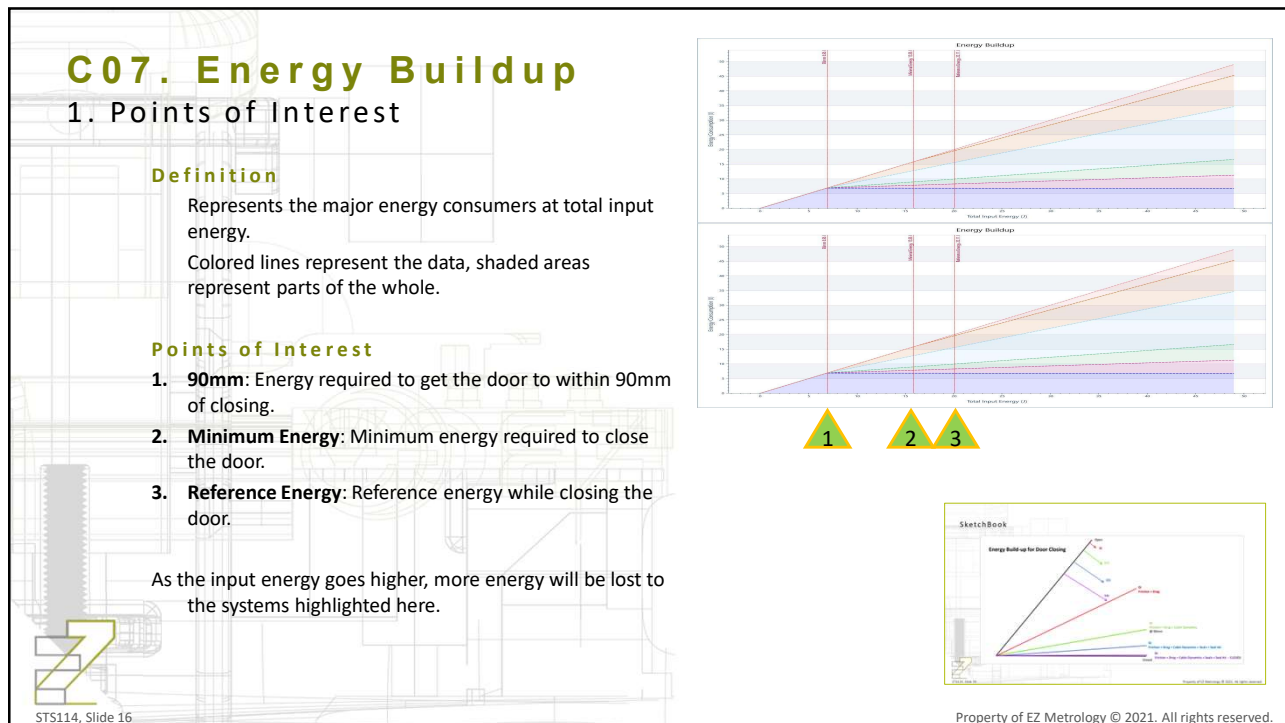
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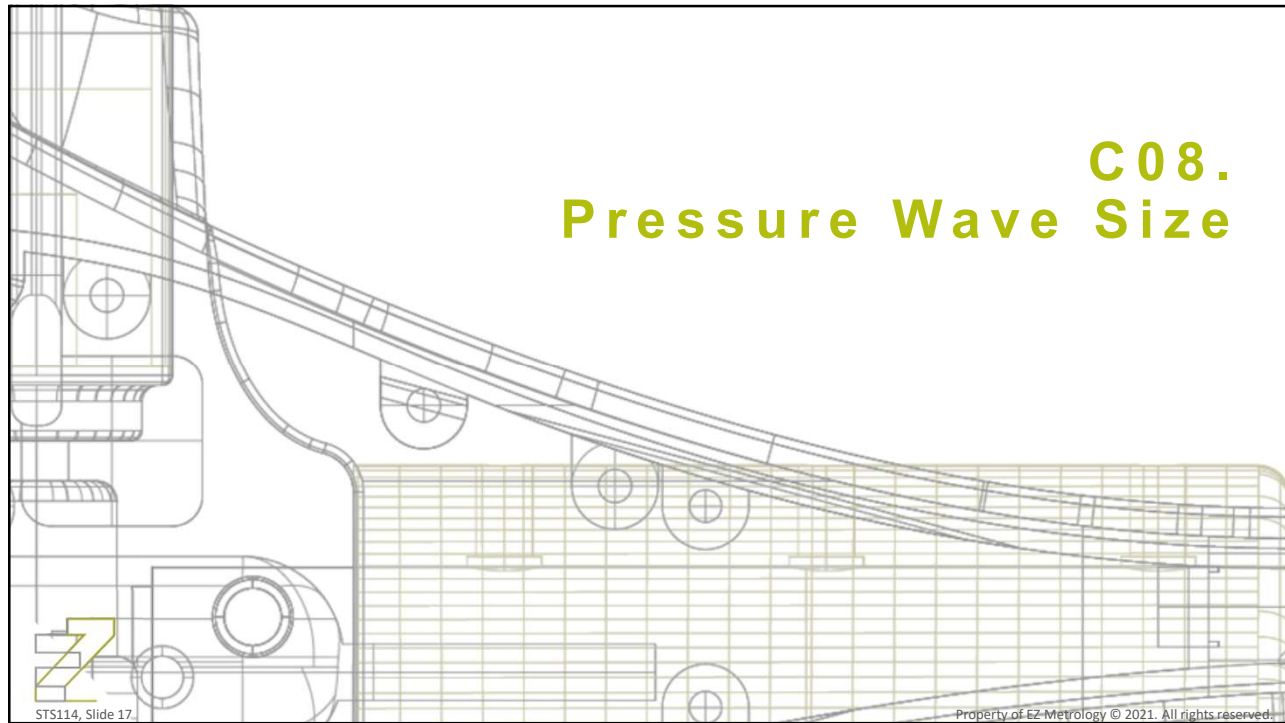
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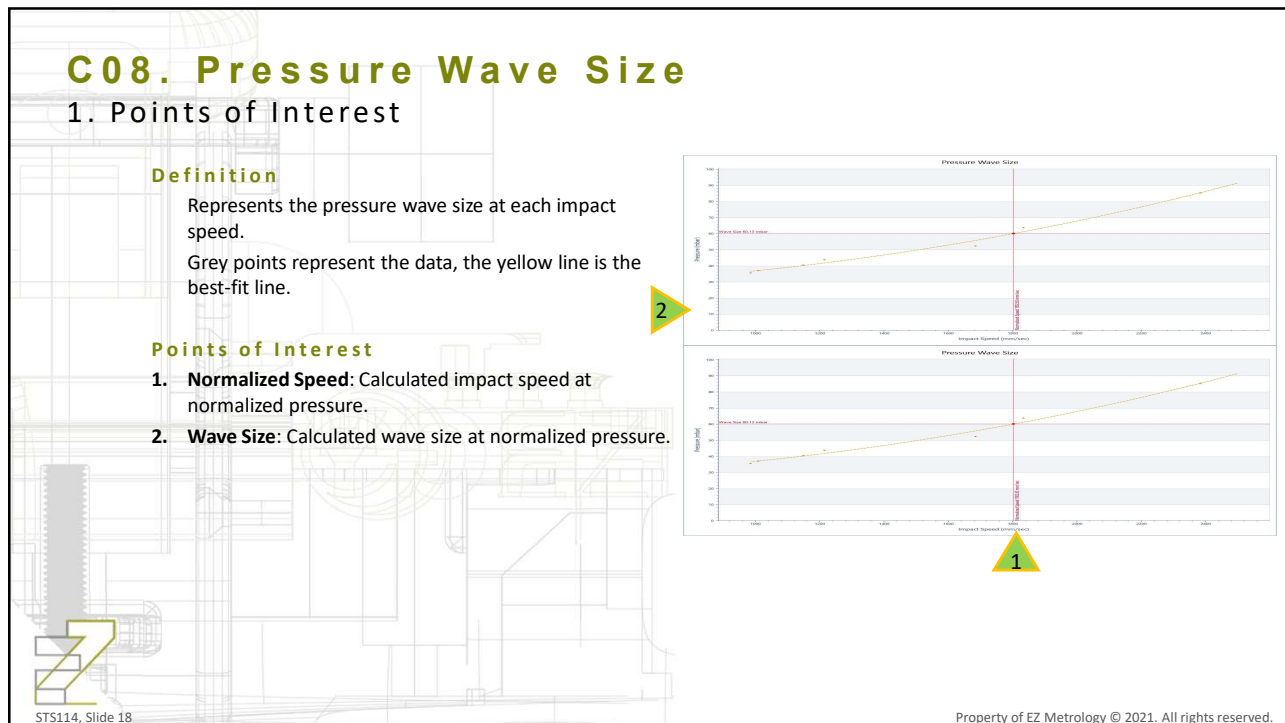
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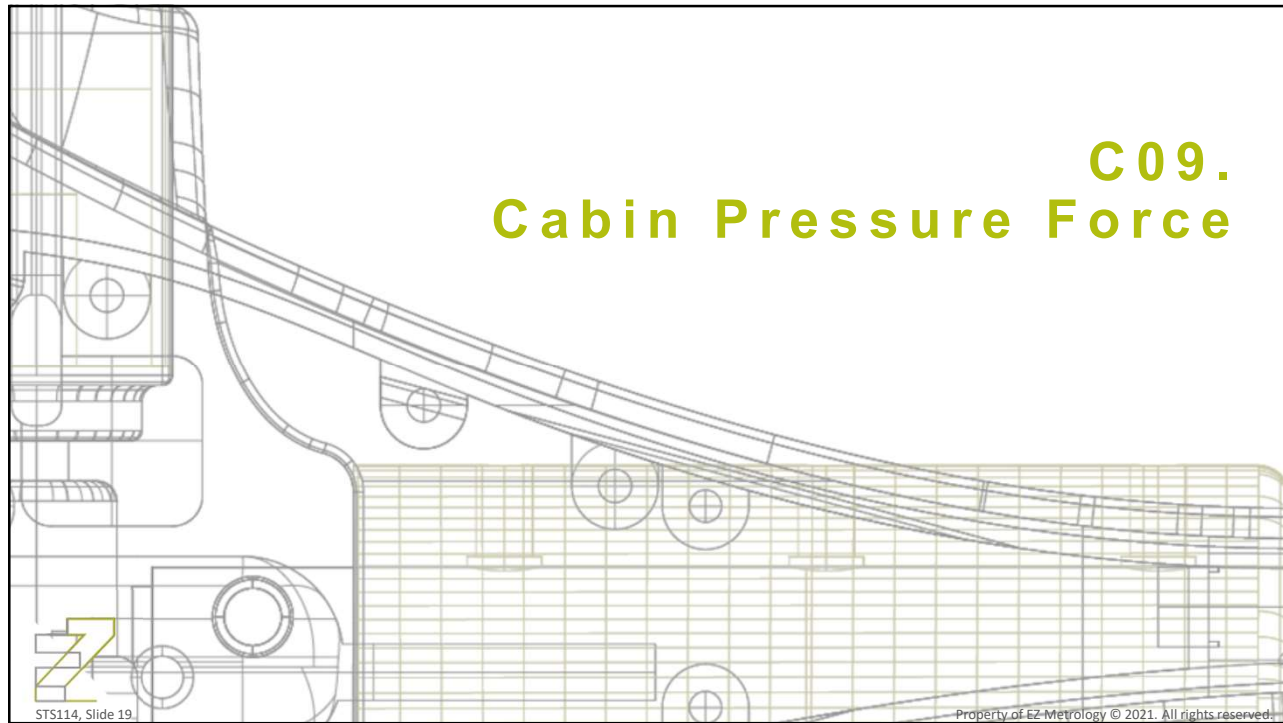
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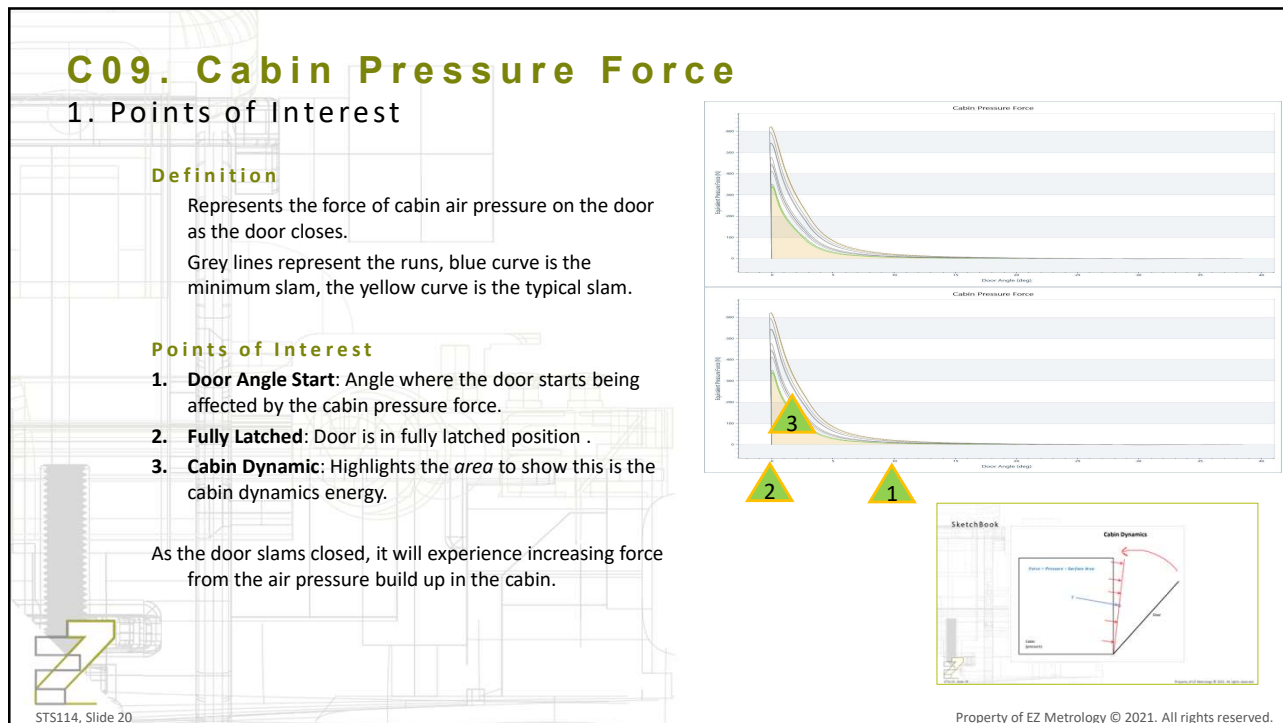
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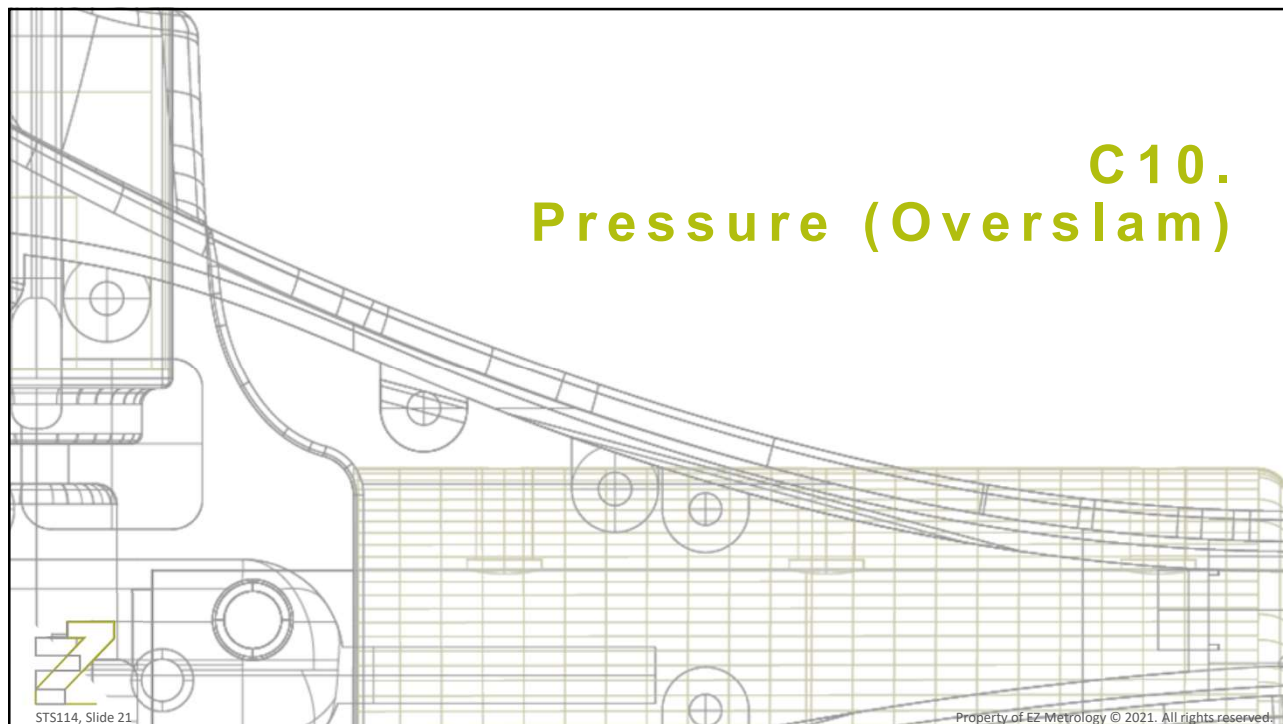
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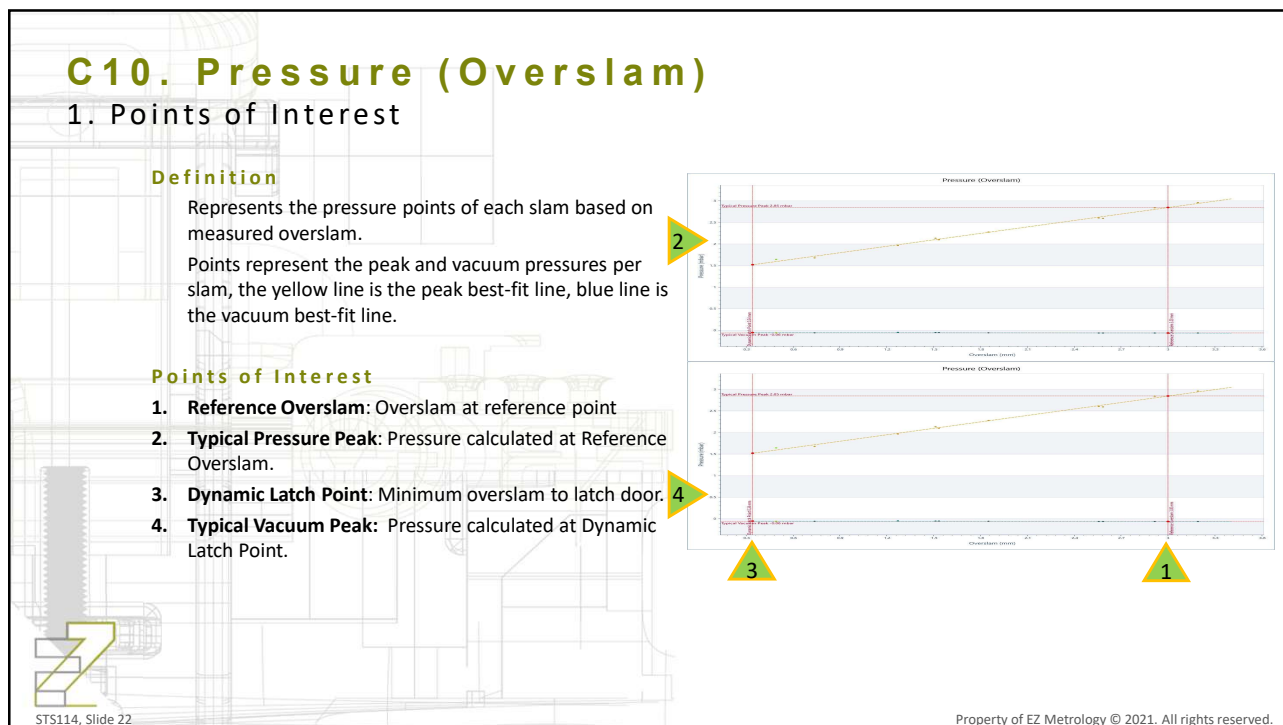
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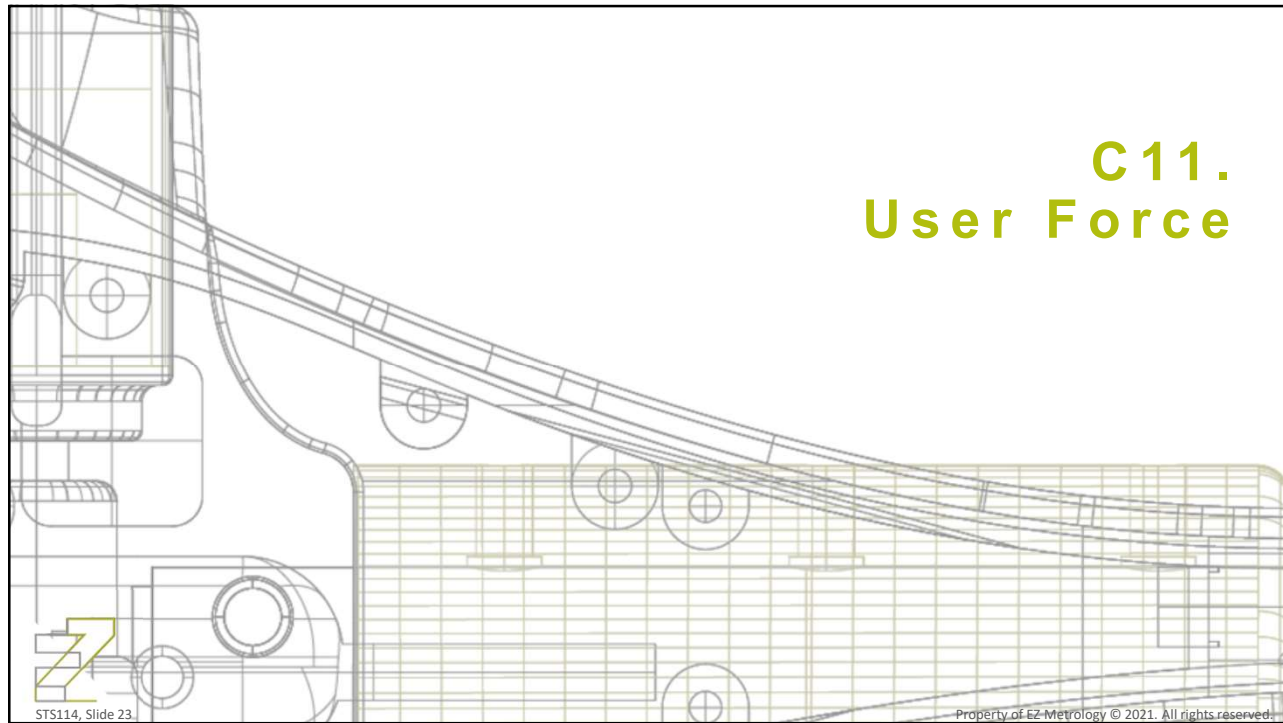
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21



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23

C11. User Force

1. Points of Interest

Definition

Shows the measured user force over the open angle. Fully closed (Left) to fully open (Right). Grey lines represent the slam measurements, the yellow curve is the average line.

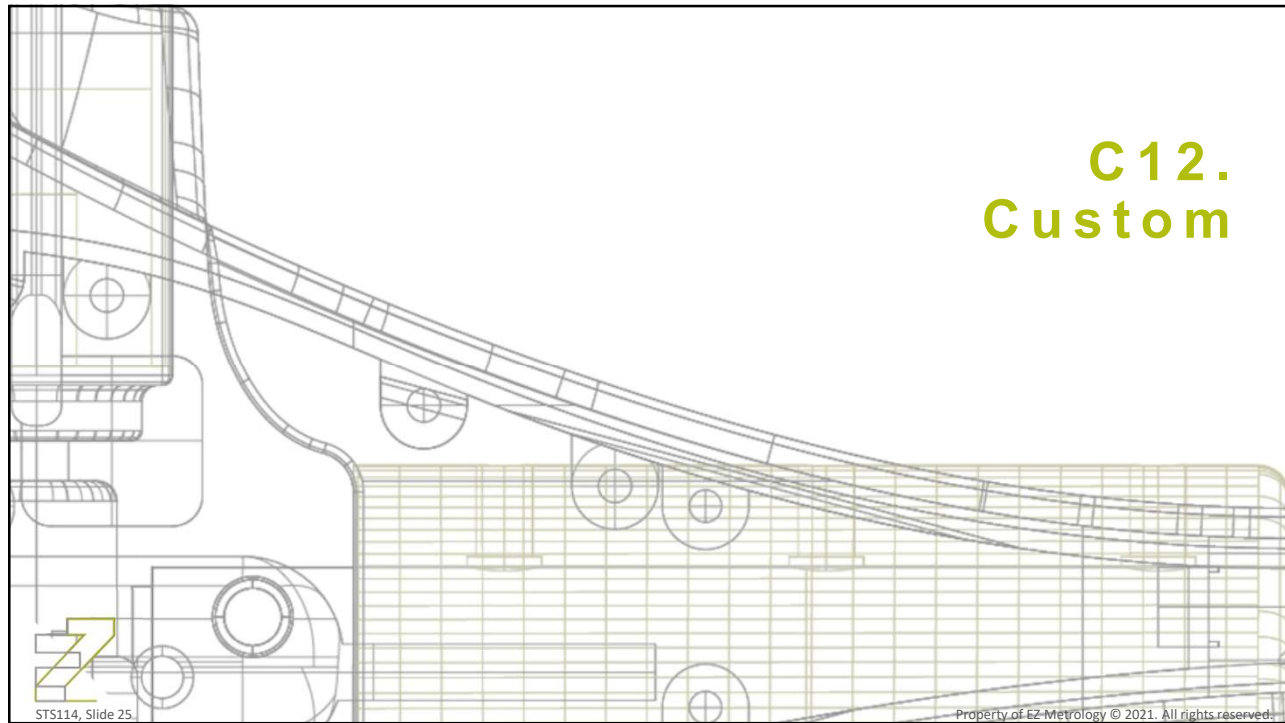
Points of Interest

1. **Release Point:** Furthest angle, from fully open, where the user applied force to the unit.
2. **Release Point Limit:** Maximum Pulse Limit set in convention.

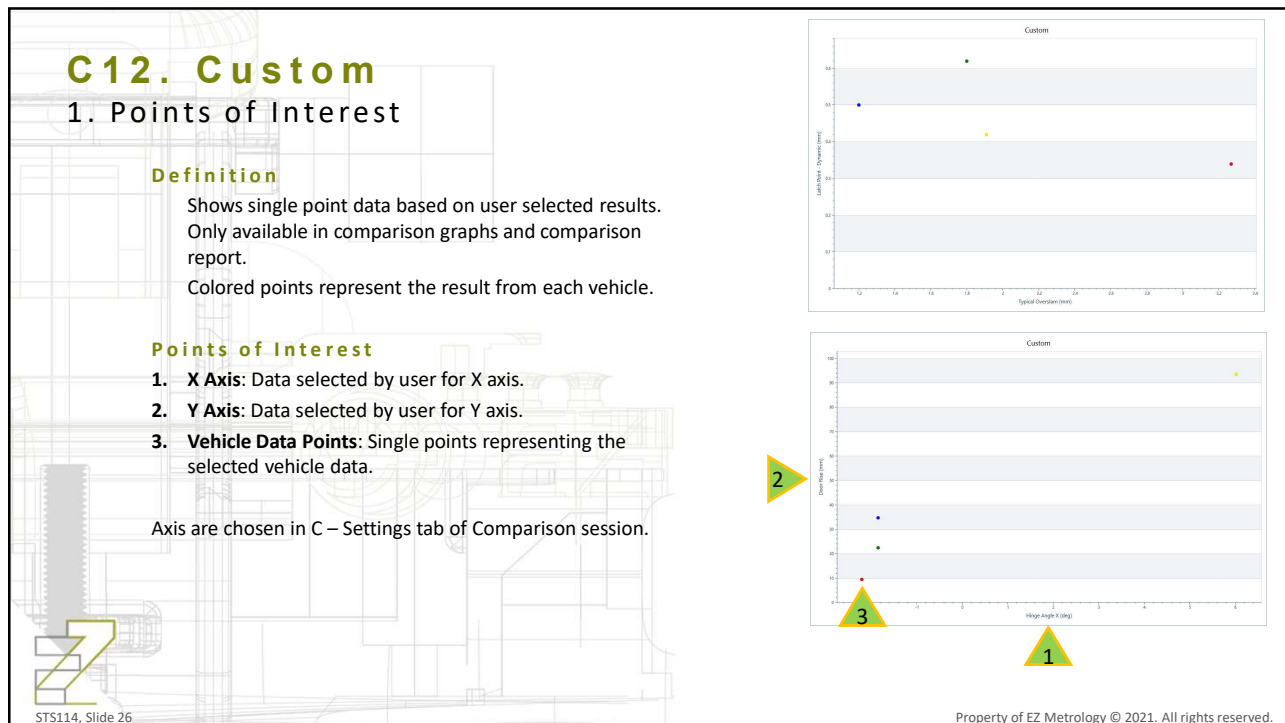
Release Point should be to the right of Release Point Limit. Measurement status will warn if Release Point Limit exceeded. EX, "I <C-11. User Force> Release point beyond its limit. (27.5 deg.)"

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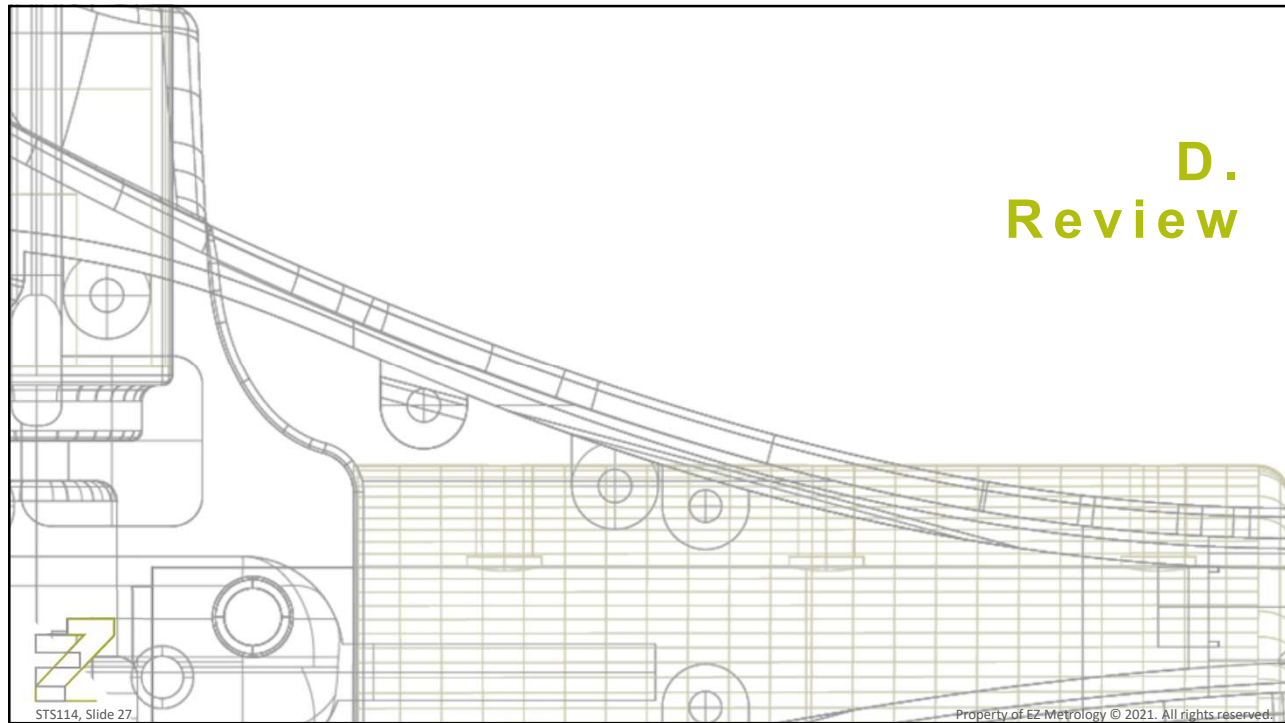
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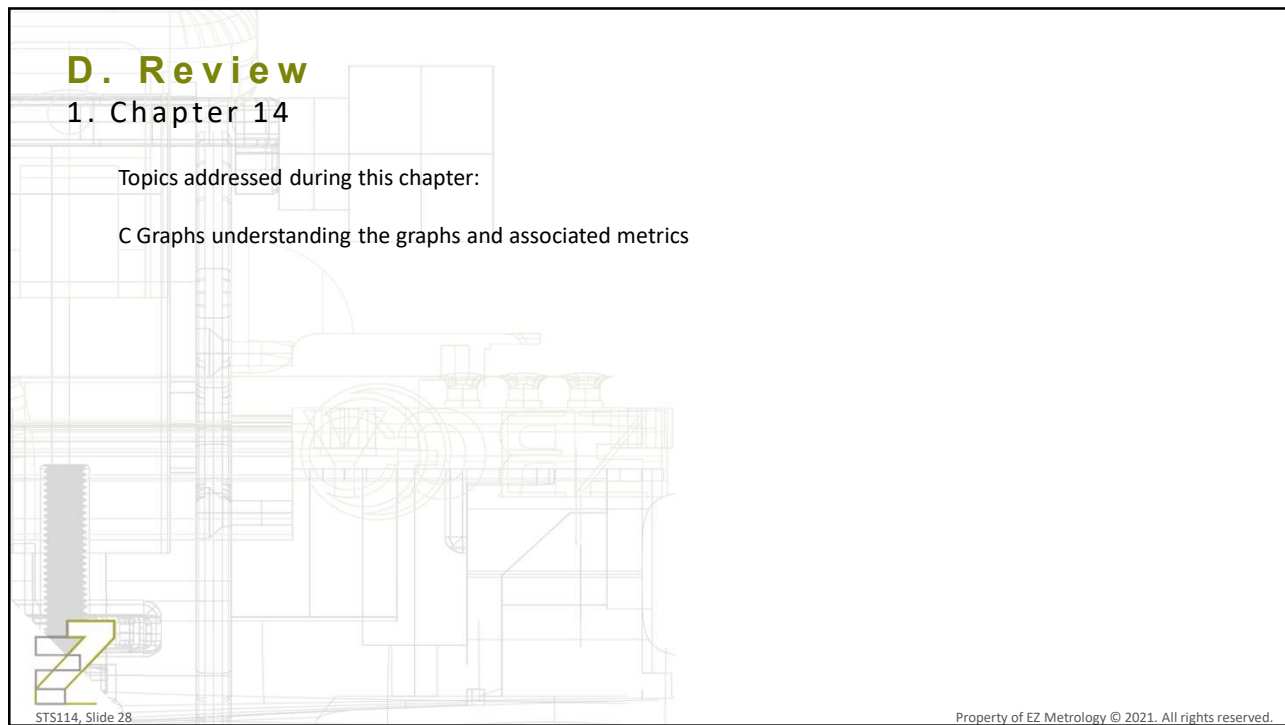
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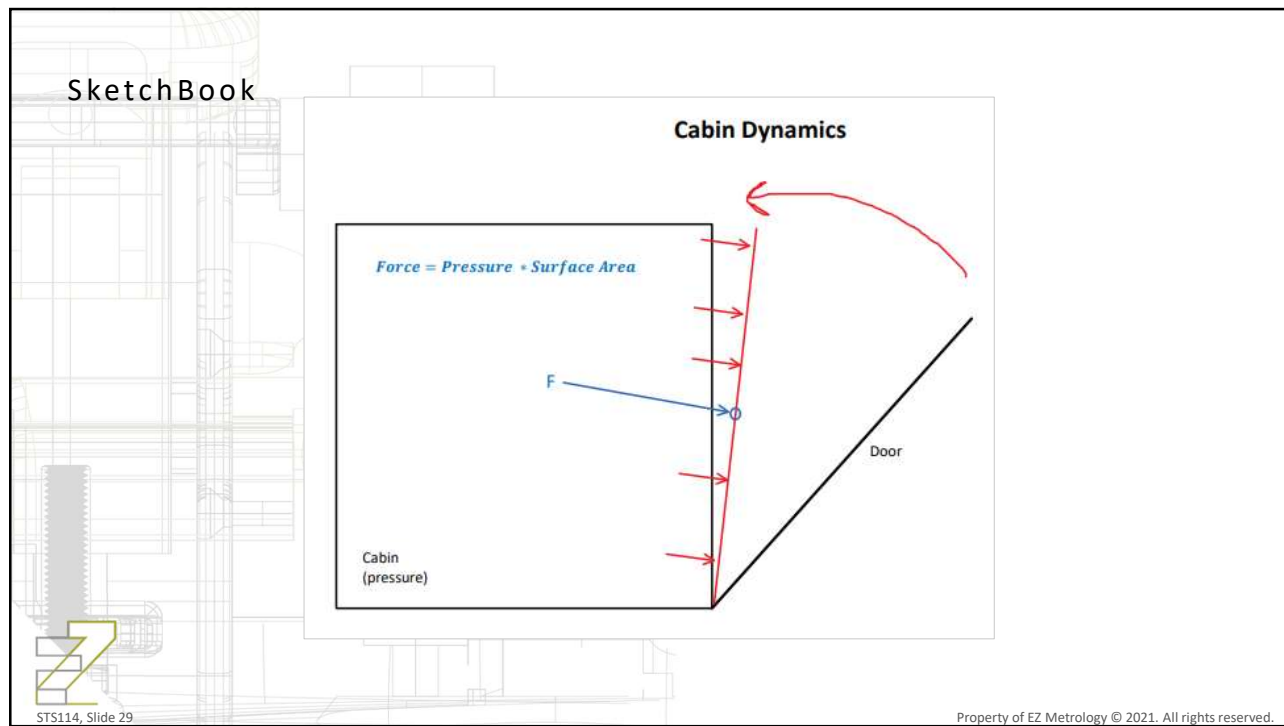
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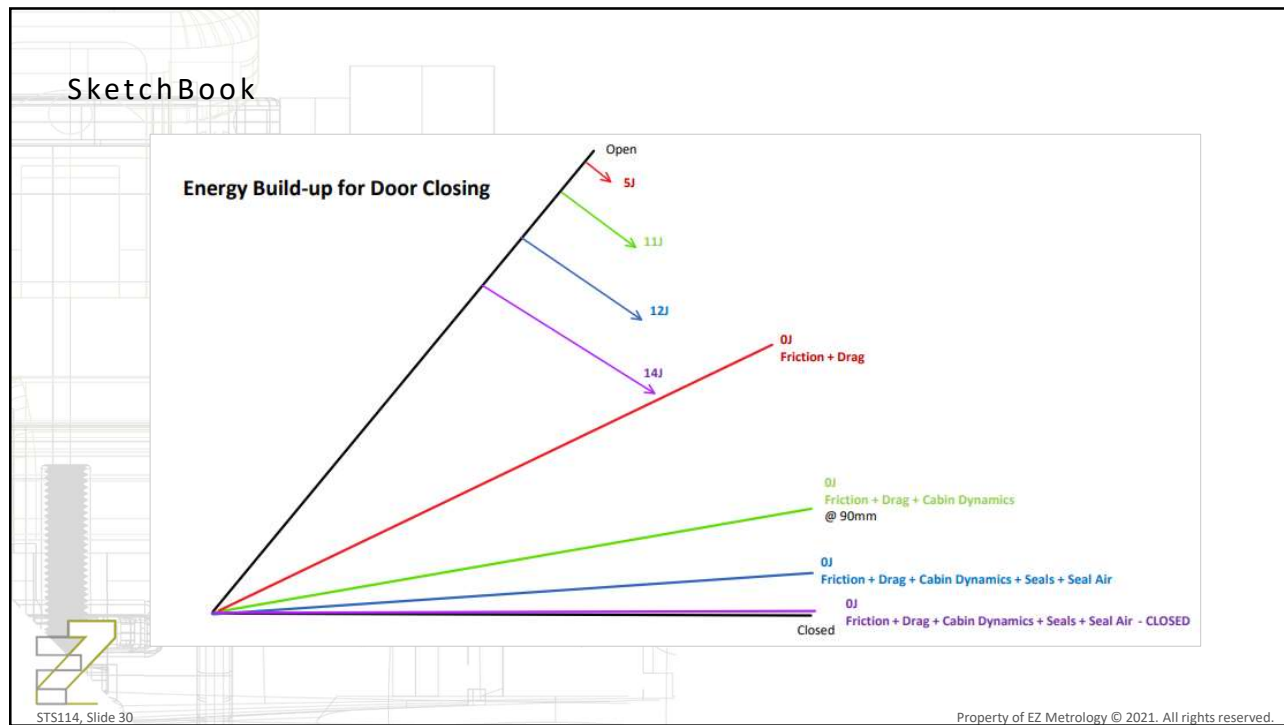
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