Personal Development

APQ Development Goals

- Thoughtfulness
- Polish/Poise

I am a culture shifting leader who drives a team first mentality to achieve business results. I encourage and empower my peers. I give this by communicating with compassion and empathy to understand and enable their 'why'.

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Audience Description

Key Decisions Makers and Stakeholders

- BT&E FOS/BDS Senior Director
- BT&E FOS/BDS Senior Leadership

Where

- Mixed Virtual and In-Person

Audience Style

- Planner People
- Point People
- People People

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Flight Test Instrumentation and Data Systems (I&DS) Capability Alignment

Michael Carbone

10/25/2023

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What if I told you all Engineers were interchangeable?

What if I told you all Instrumentation Engineers were interchangeable?

What if we could take any Instrumentation Engineer and Support any Test, any Time, any Where?

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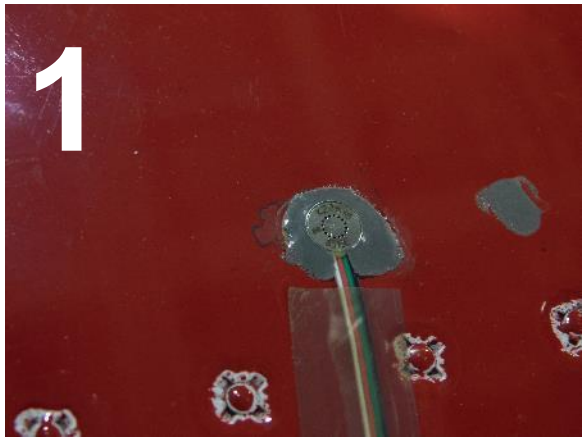
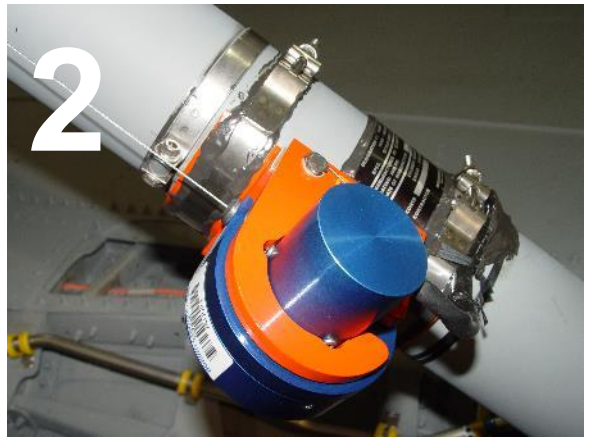
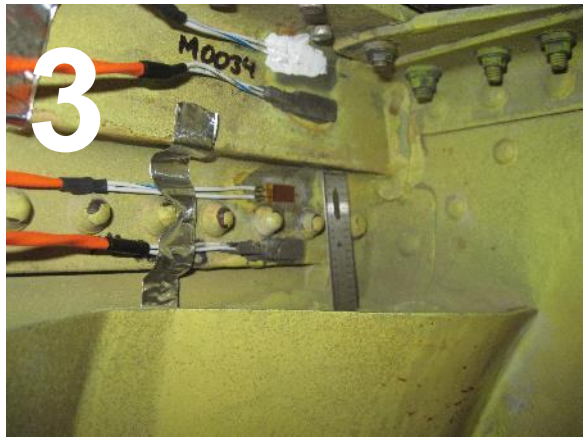
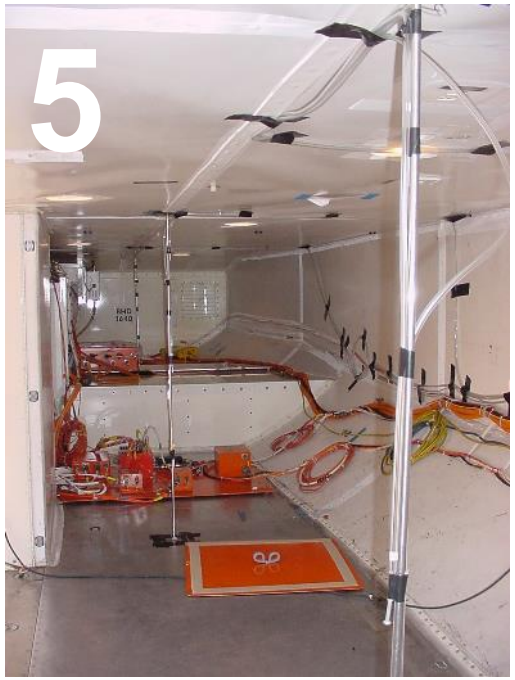
“We can’t do Instrumentation like *you do* Instrumentation.”

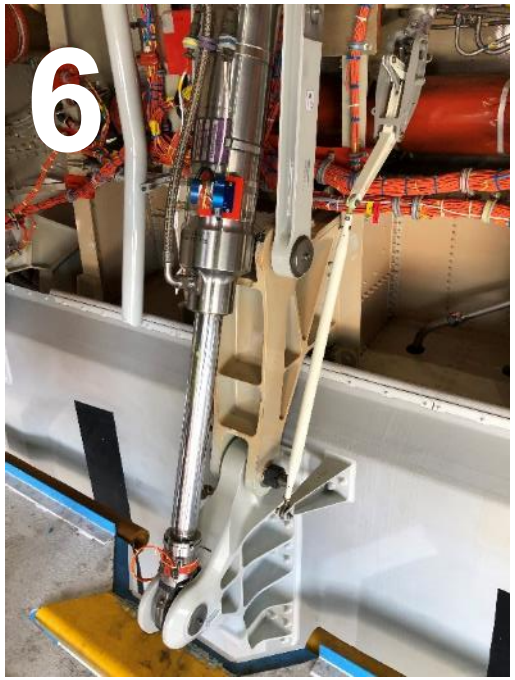




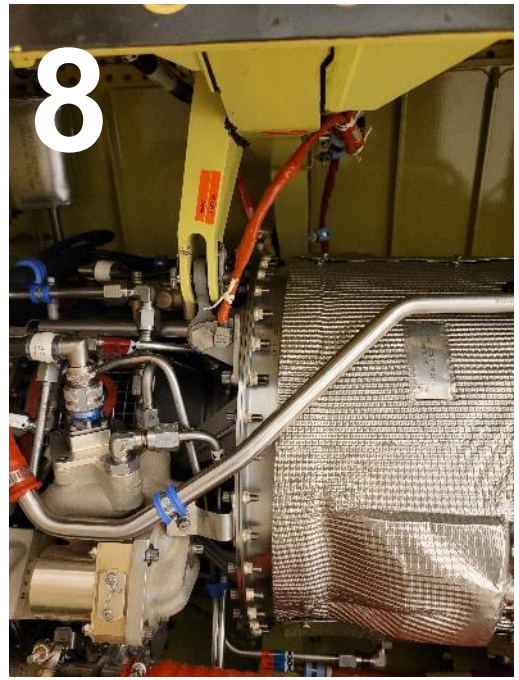












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Seattle Installations





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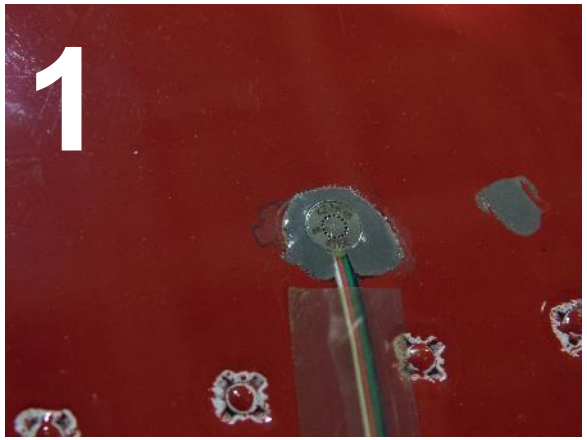
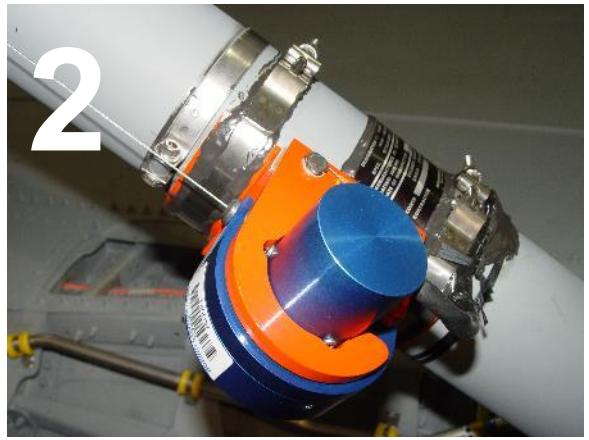
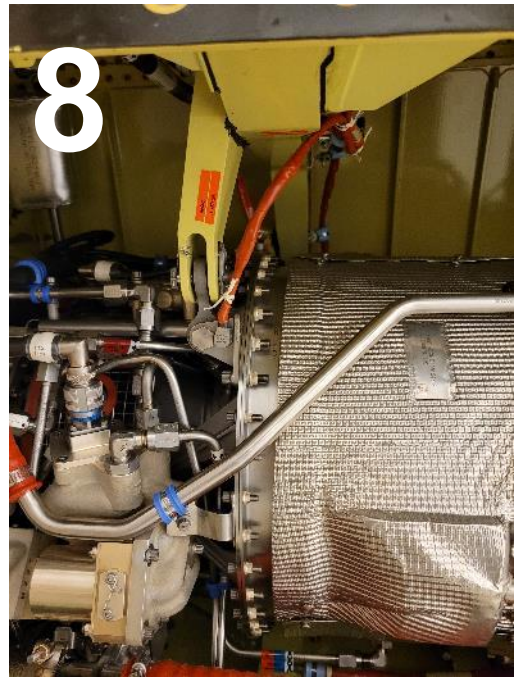
Saint Louis Installations









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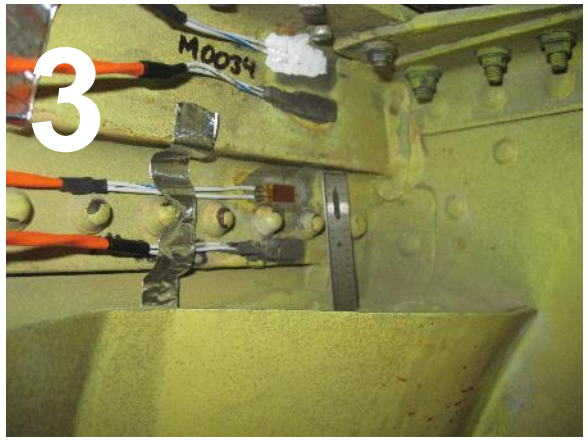
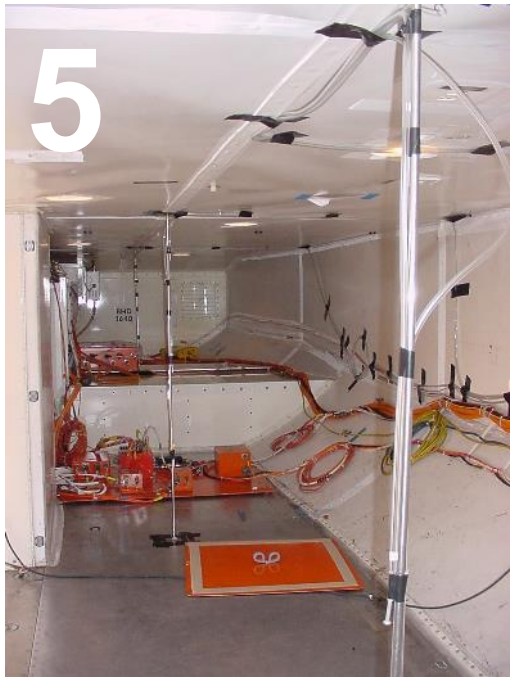
Oklahoma City Installations





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Executive Summary

Purpose:

- Remove the artificial barriers preventing the alignment I&DS across FOS/BDS

Motivation:

- Domain Teams and Skill Teams are limited in their integration authority
- Reduce duplicate development efforts occurring throughout I&DS
- ~$1.5-$4M Yearly Capital Investment on Instrumentation Development
- >$2M in labor budget dedicated to integration
- Remove Test Optimization Boundaries for our Program Focused Test Teams

Action:

- Executive Leadership Team realign the FOS/BDS I&DS Organization by Capability

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Agenda

How we Operate Now

Where can we go with a Unified I&DS

Going Forward Recommendations

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How I&DS Operates Today



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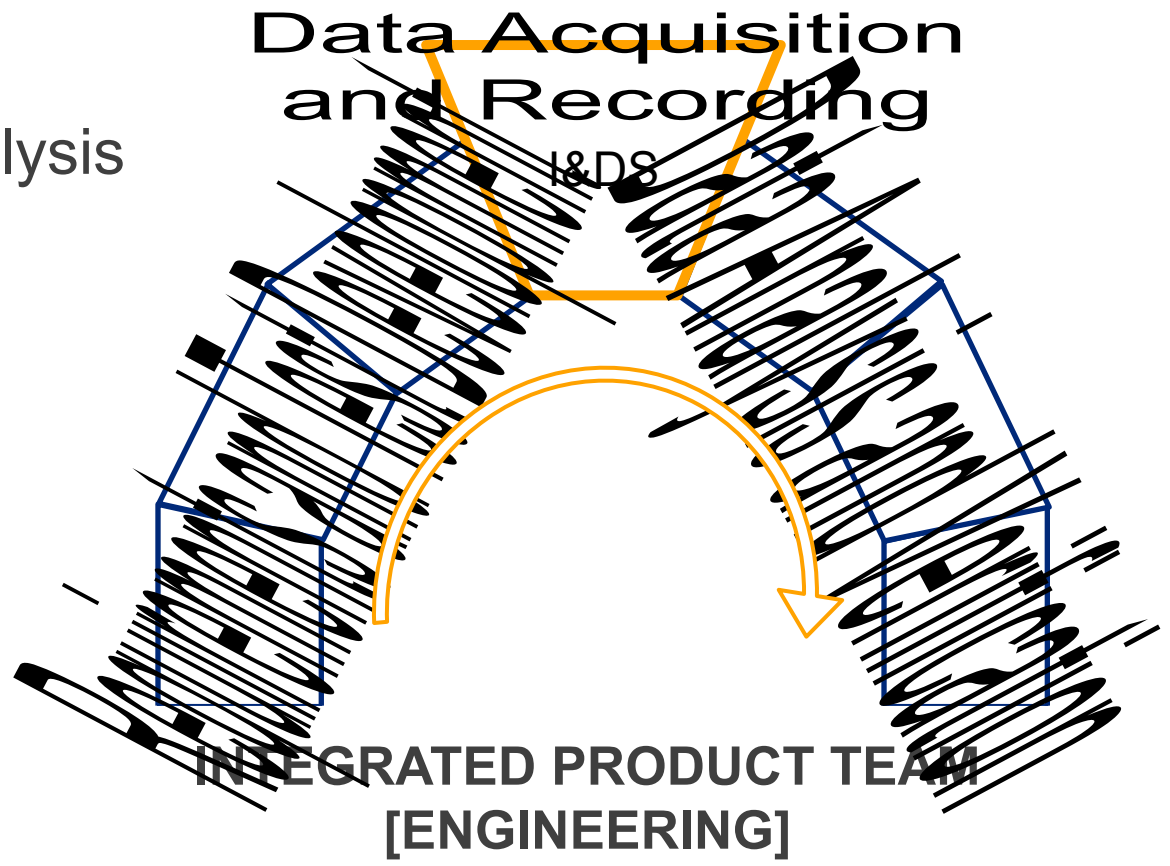
Where Can I&DS Take Us?

Flight Test Instrumentation Modernization can help our Program Dedicated Teams achieve desired test efficiency on all platforms

- On Board Processing (OBP)
- Inflight changes to Telemetry Formats
- High Resolution Video for Analysis Live Analysis

Do More with Less

- Share BT&E site strategic resources
- Cross platform integration with the engineering teams
- Mitigate our talent pipeline challenges



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Going Forward Recommendations

Align the FOS/BDS I&DS Flight Test Instrumentation Teams into a single organization

Align Senior Technical Members to a FOS/BDS I&DS Senior Leader

I&DS wants to do their part for the *Best Team in Test*

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