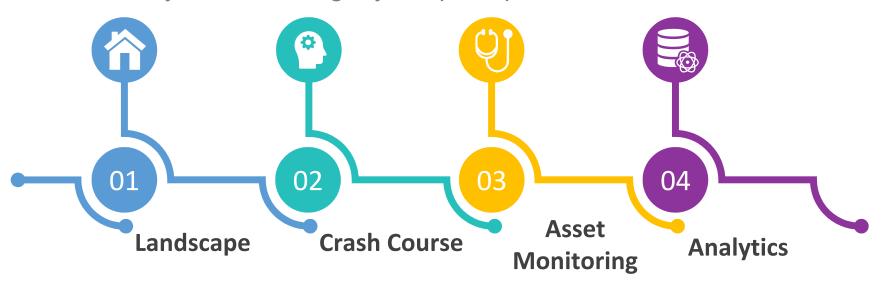
PI System & the Greater Technology Landscape

Anna Sofia Bidot Systems Engineer



Intro to PI System Track:

New to PI System? We'll get you up to speed!



PI System & the greater technology landscape

Get the most out of PI World

Intro to condition based maintenance with the PI System

Intro to analytics in the PI System



Questions we will address in this talk



What's the problem?

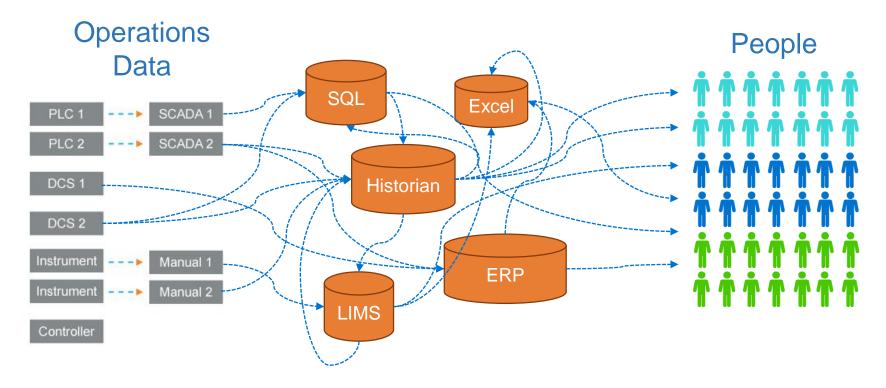
What's different about operational data?

What does a basic deployment look like?



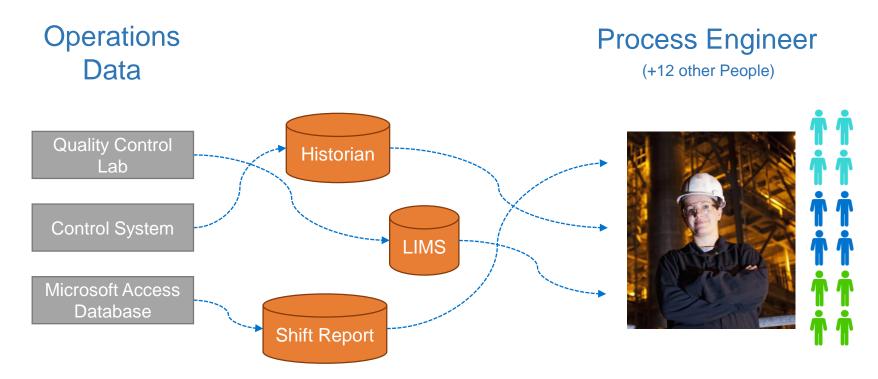


Connecting People and Operations Data is Hard





Let's Make This Real...





The Morning Standup Meeting



Manual



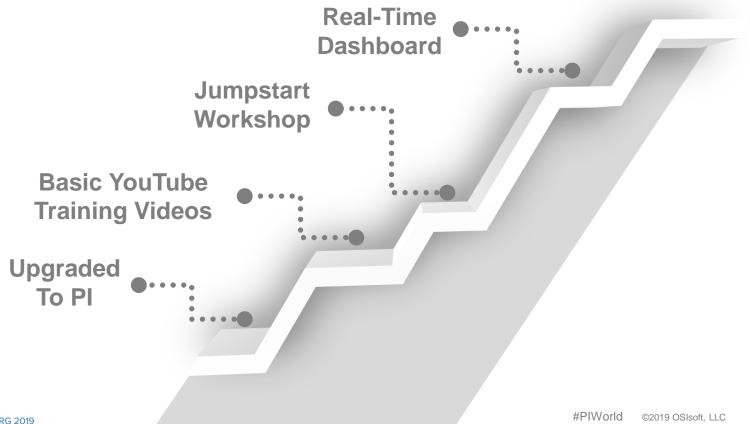
Error Prone



Time Consuming



Discovering the PI System



Improved Dashboard with the PI System



Automatic

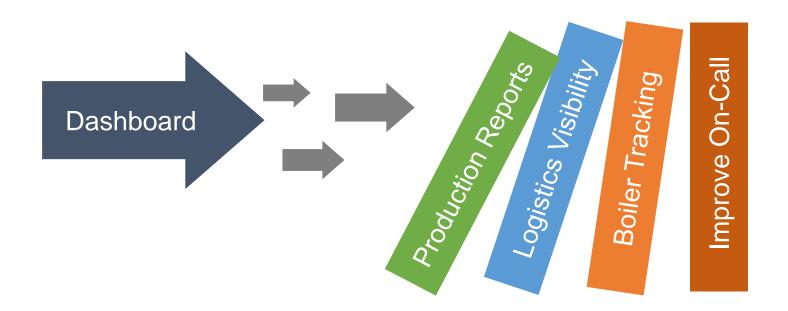




	Goal	Sun	Mon	Tue	Wed	Thur
14th Final	>20 tons	20	21	20	20	20
		21	20	21	21	21
15th Final	>22 tons	22	21.5	22	22	22
		23	24	22	23	24
14th Feed	>40 gpm	44	43	42	41	42
		45	47	43	42	40
15th Feed	>45 gpm	47	46	45.5	45	44
		43	43	44	45	47
Na Feed	>90 gpm	91	90.5	93	92	81
		92	92	95	94	93
Cogel Feed	>120 gpm	120	122	124	122	120
		119	127	127	123	120
Waste Water	<60%	40	45	50	30	20
		40	45	50	30	20



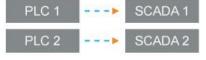
The First Domino Had Fallen





Connecting People with Operations Data is Hard

Operations Data

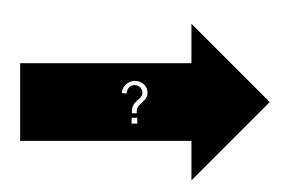


DCS 1

DCS 2

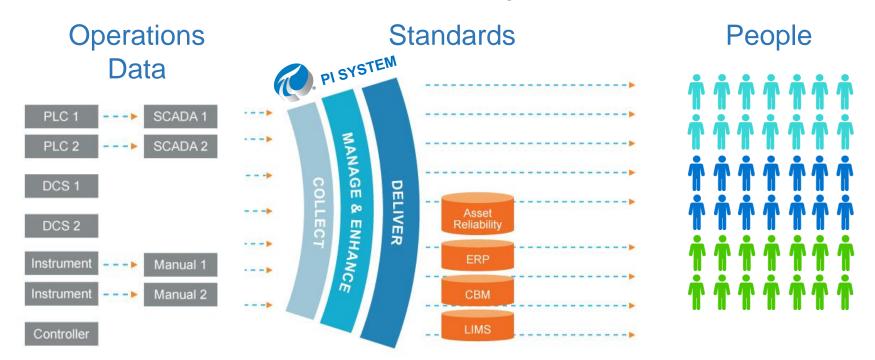


Controller





An Infrastructure for Critical Operations





An Infrastructure Approach

Delivers a critical resource in a **reliable** way to any **person** or application when **needed**





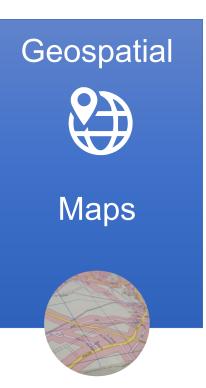


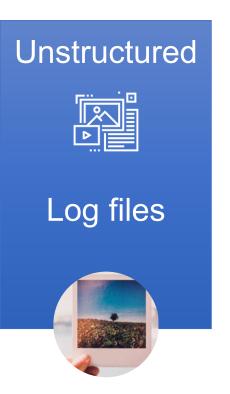


Common Types of Data





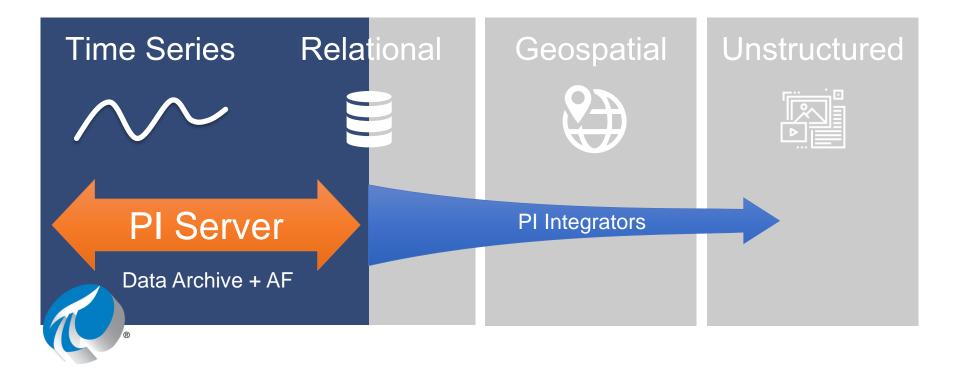








We Specialize in Operational Data





Answers are in the data, but it's often hard to understand

37

What is this?

Temperature
Speed
Batch ID
Distance



What units?



°F or °C mi/hr psi

From what?

Boiler
Pump
Truck
Transformer

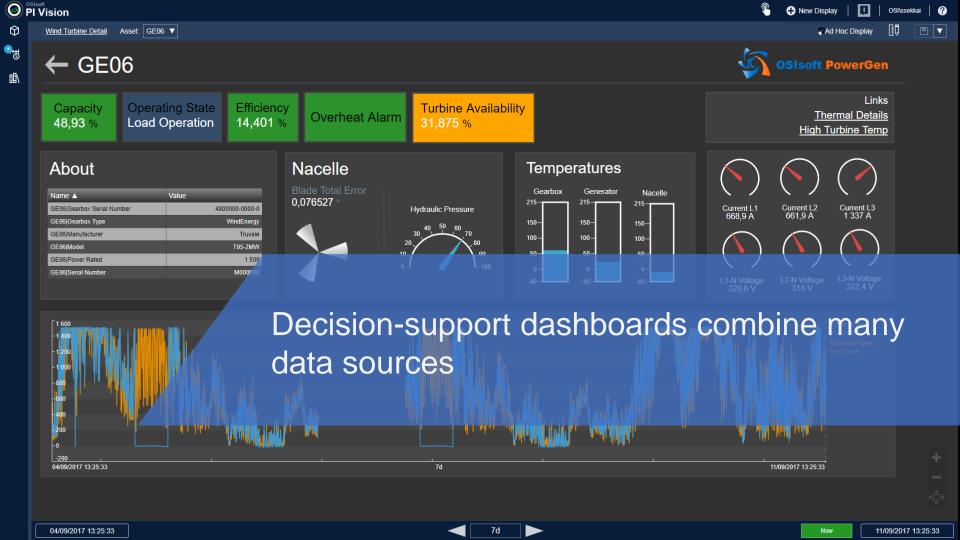


Where is it?

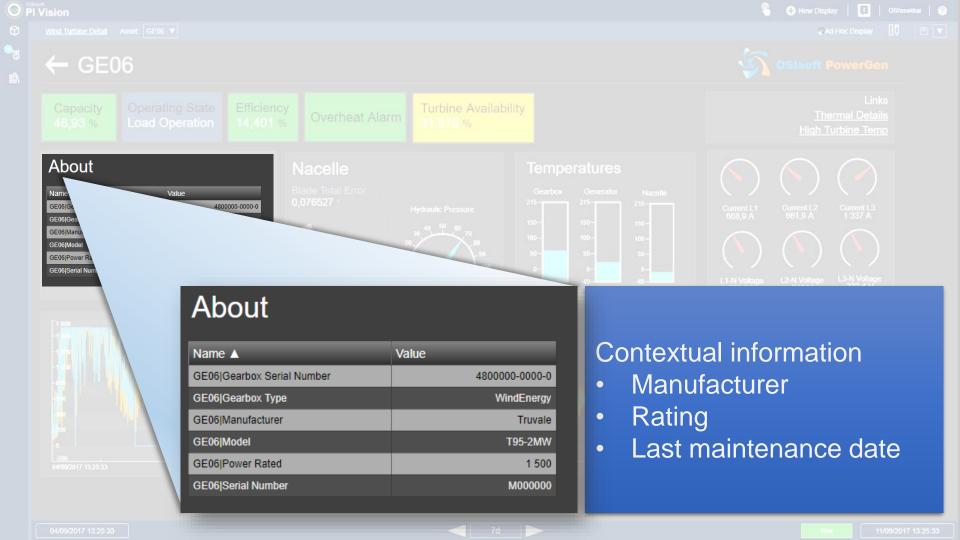


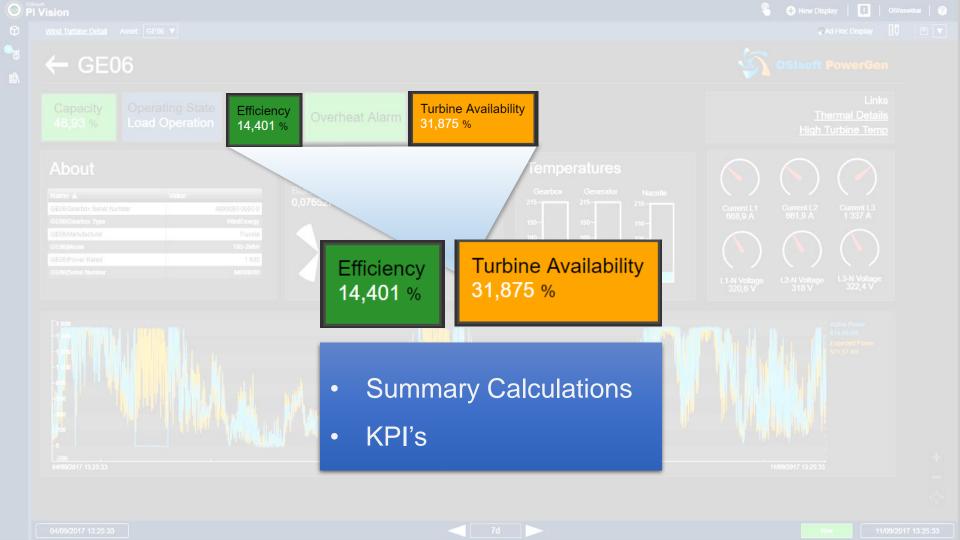
HQ Offshore Springfield

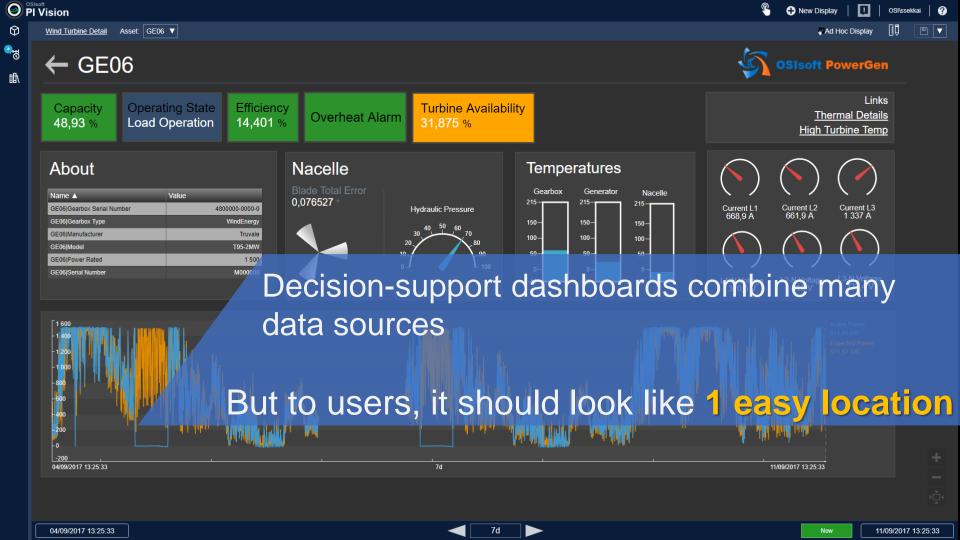
Raw data needs context to make it consumable information

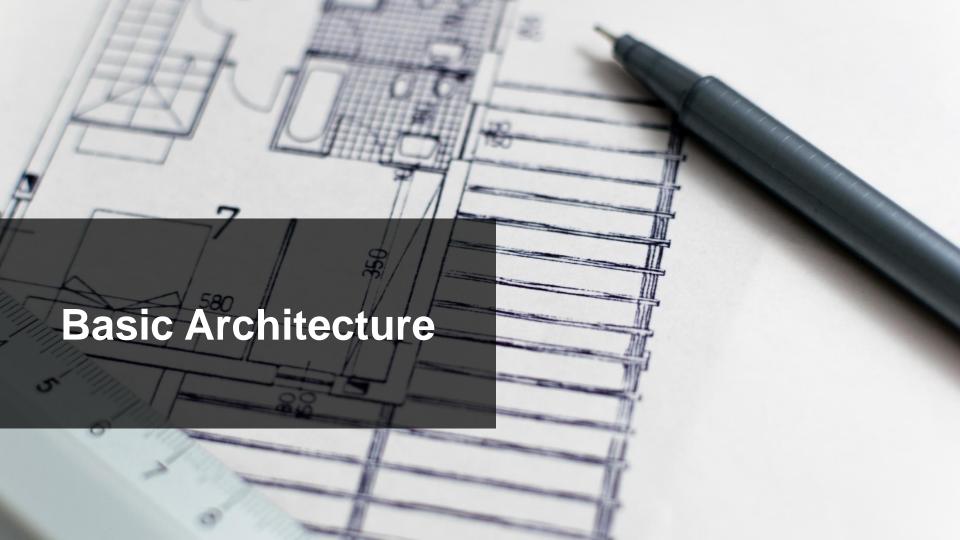




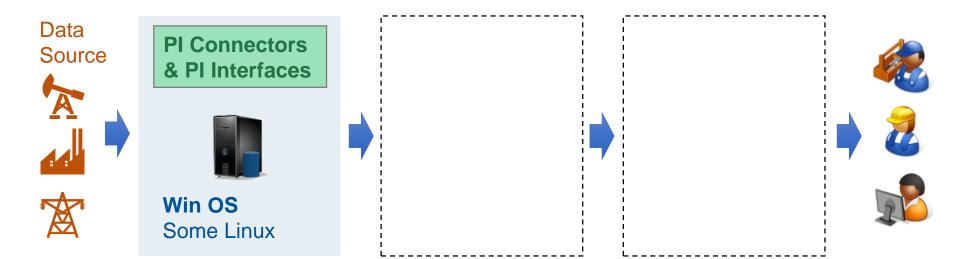






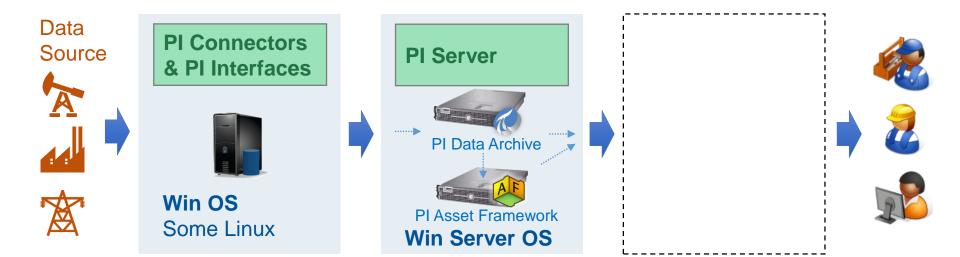


Layer 1: Data collection



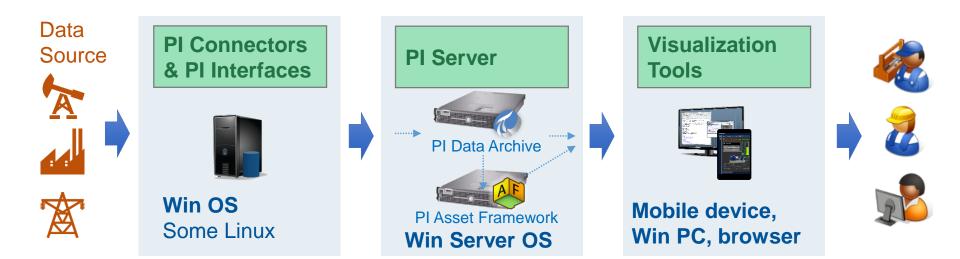


Layer 2: Store & Enhance





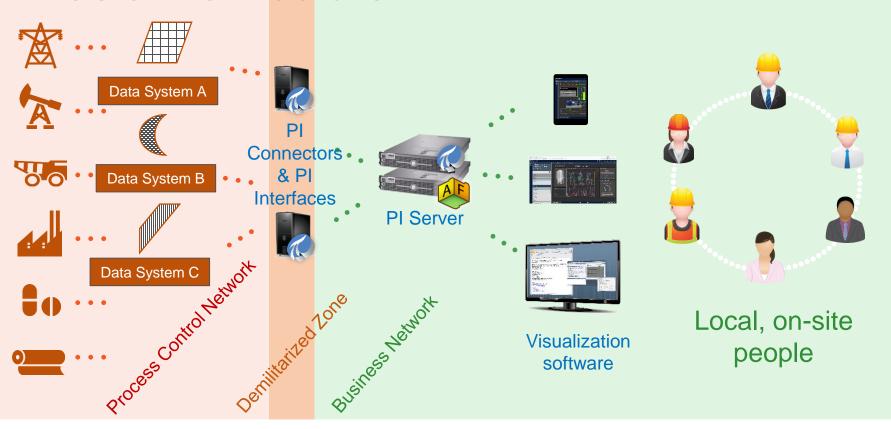
Layer 3: Deliver



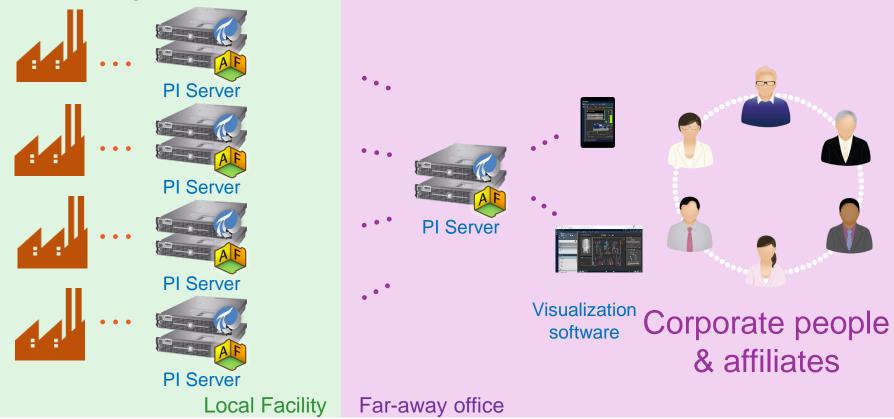
Typical installation from nothing to seeing data is 3~5 days



Basic Architecture



Enterprise Architecture





What We Covered



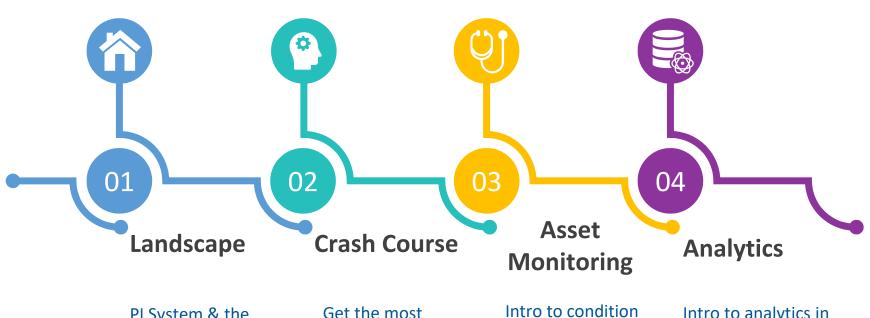
Digital data infrastructure for sensor-based data.

Today's operations blends multiple types of data. But to a user, it should be seamless. Fast deployment times to connect single sites or the entire enterprise



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Contact Information



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Questions?

Please wait for the **microphone**

State your name & company

Please remember to...

Complete Survey!

Navigate to this session in mobile agenda for survey







