

Explore how Cargill transformed Enterprise Asset Management User Experience

Lance Whittaker, Agile Lead, Cargill Naveen Rokkam, Mindset Christopher Hein, Applications Manager, Cargill 83375

About the Speakers

Lance Whittaker

- Agile Lead & Senior Solution Analyst, Cargill
- Working with SAP as user and functional analyst for 18 years.
 Managed a warehouse facility and production operation for 8 years
- I was on a television trivia contest and won against 25 other contestant

Naveen Rokkam

- Director of Innovations, Mindset
- Been in SAP Innovation space for 12 years. Developed 18 different Technology products. Digital Transformation & User Experience Champion focused on Innovation for Large Scale Enterprises. Staunch believer of leading innovation as an experimental journey.
- Enjoys travelling and meeting new people. Travelled 18 different states in my first 2 years in United States



Key Outcomes/Objectives

- Understand Enterprise Asset Maintenance challenges
- Digital Discovery Process & opportunity to transform
- Use of UI5 to collect and store data & drive metrics



Agenda

- Cargill Introduction
- Mindset Introduction
- Cargill & Mindset Journey
- Digital Discovery Approach & Outcome
- EAM User Experience Challenges
- Vision from Design Thinking
- Demo: Cloud Hosted UI5 Apps





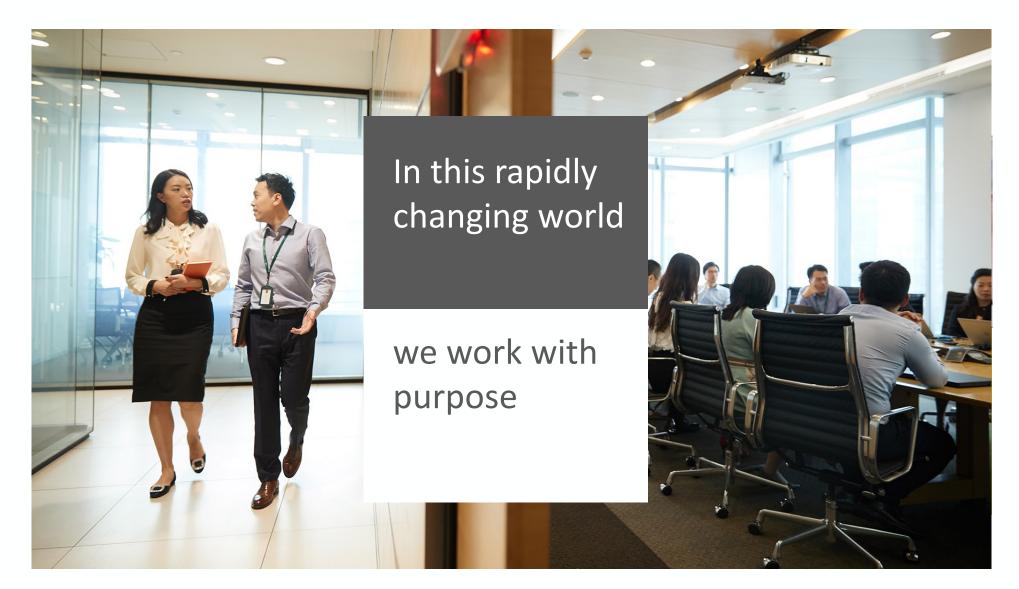
Meet Cargill

We live in a world of...











Every day:

We serve customers in agriculture, food, financial and industrial, combining years of experience with fresh insights, new technologies and integrated solutions.

Customers in more than 125 countries



Every day:

We connect farmers with markets, customers with ingredients, and people and animals with the food they need to *thrive*.

155,000 employees in 70 countries



Every day:

We team up with diverse partners to solve some of the most significant challenges in food and agriculture.

150+ years of experience

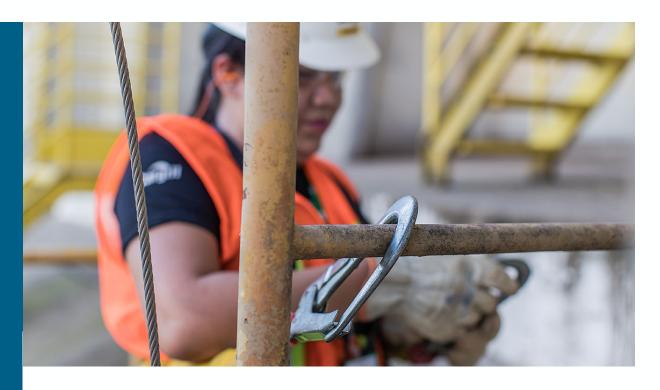


Nourishing the world in a safe, responsible and sustainable way.





Nourishing the world in a safe, responsible and sustainable way.



Safe: We have a long-standing commitment to safety – for our employees, and for the people and animals who consume our food and feed.



Nourishing the world in a safe, responsible and sustainable way.



Responsible: We are united by a strong set of ethical beliefs – our Guiding Principles. In a world that changes every day, they are the foundation for all that we do.



Nourishing the world in a safe, responsible and sustainable way.



Sustainable: Today's generation and tomorrow's both need a food system that works. We are building solutions to make that a reality.



OUR VISION

Be the most trusted partner in food, agriculture and nutrition.







UX / Design Thinking
Focus
SAP Experts
Agile Approach
Fiori Delivery
Intelligent Enterprise

OUR MISSION

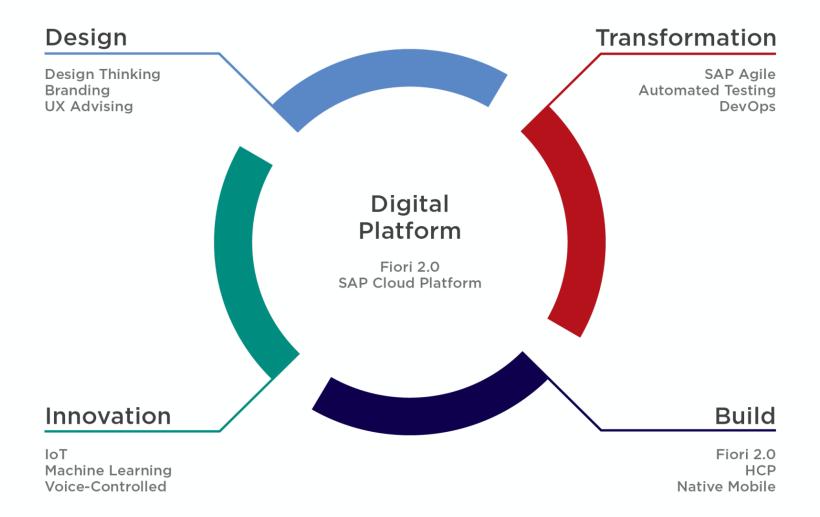
At Mindset, our mission is to make employees lives measurably better at work.

This is achieved by building remarkable new digital experiences and also by supplying the talent required for the digital enterprise on SAP.





Mindset's Deep SAP Skills help Manage & Innovate the Enterprise





CARGILL & MINDSET JOURNEY

Beginning of Fiori Journey

Generalist Approach:

Activate standard SAP Apps in Gateway and start figuring out if they work

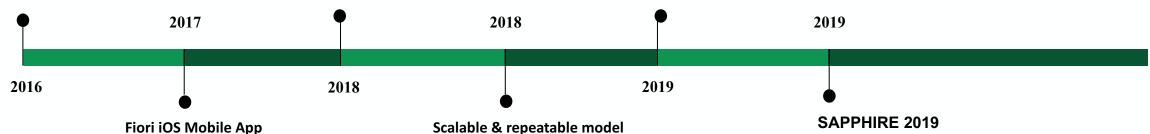
Digital Discovery as a Process

A new experiment for rapid innovation and digitization. Creating personalized experiences in a single business unit

Creating Digital Experiences for the workforce of the future

ASUG – Minnesota:

20+ Fiori Apps across multiple business units, catering users in different geographic locations.



Persona Approach: Create a unique experience for a persona. Presented at SAPPHIRE 2017

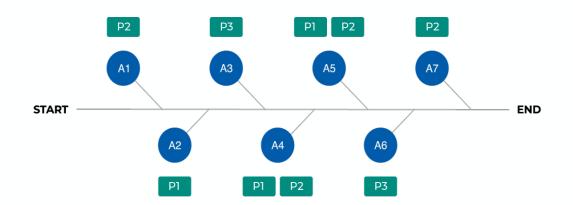
Digital Experience at Scale:

Creating a framework, methodology and process to repeat the success in multiple business units at an organization level.

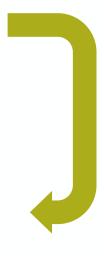
- →Design thinking roundtable
- →Session ID **83468:** Cargill's Design Lead Fiori Journey



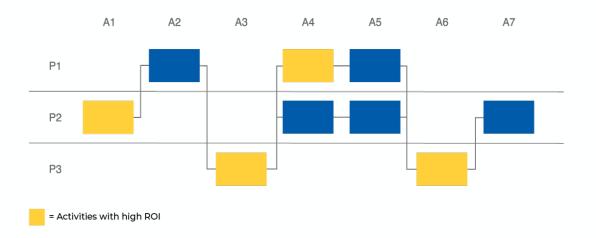
THE APPROACH



Observe the activities accounting toward an End to End Business Process in an Organization

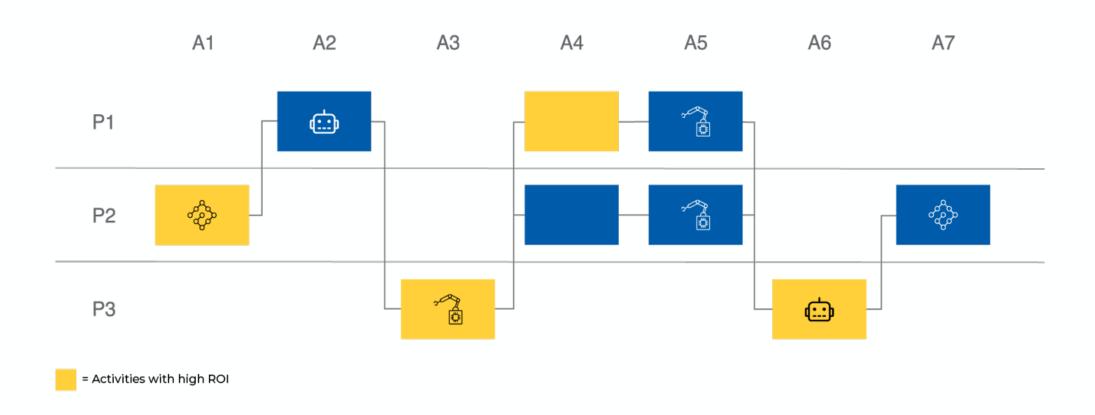


Transforming into a Journey
Map with Users. Identify
the Persona with biggest
Impact



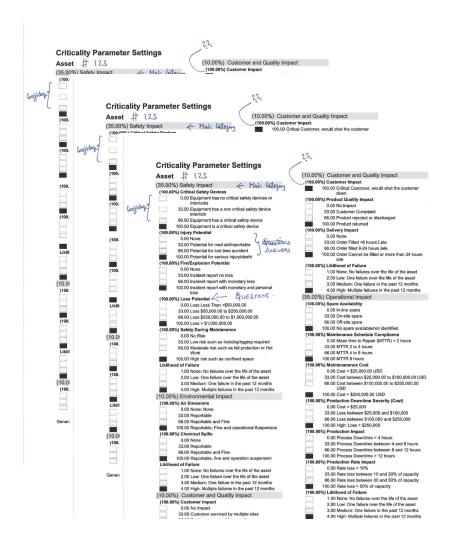


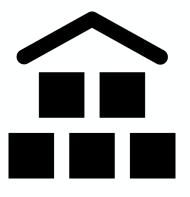
THE OUTCOME





EAM User Experience Challenges







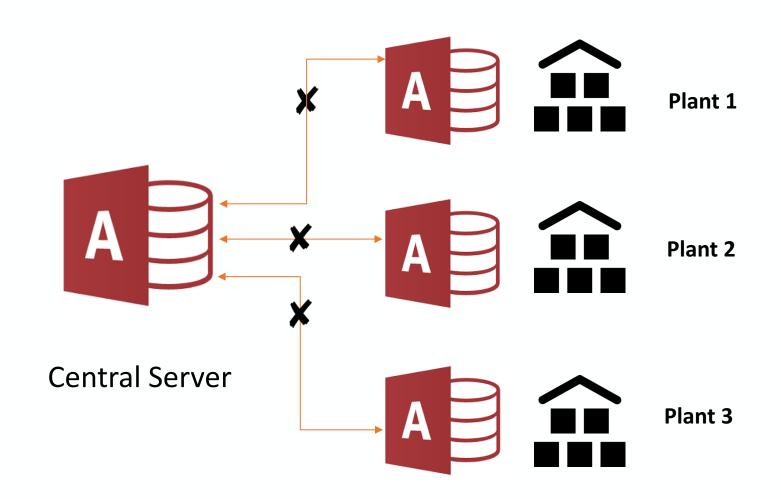
Local DB on User Laptop in Each Plant

Challenges:

- Manual process of entering data using Pen & Paper at each plant
- Updating the information in local access DB on a user Laptop
- Loss of information
- Data traceability issues
- Distorted User Experience



EAM User Experience Challenges



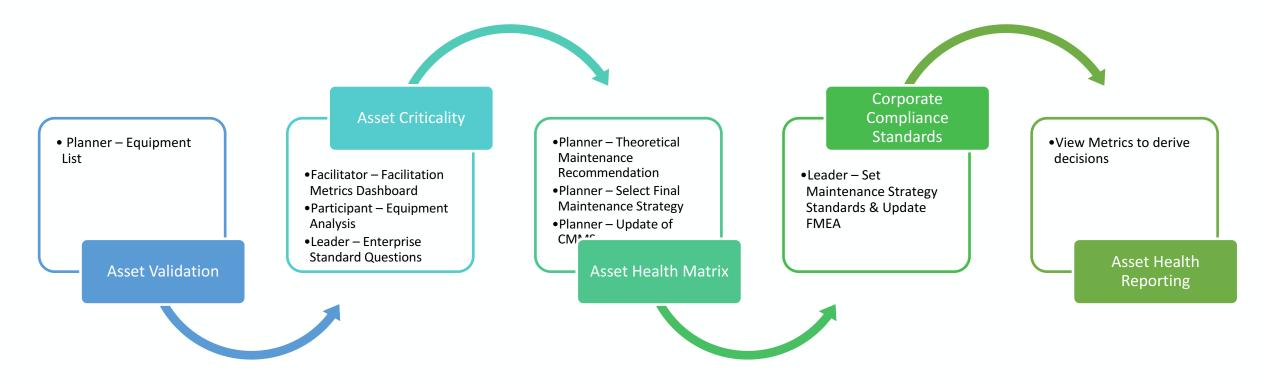
Challenges:

- No Synchronization of the local Access DB to a central instance
- Data Integrity issues
- Distorted User Experience
- Issues with Data Conflicts
- Data traceability Issues
- Loss of opportunity to perform data analysis and drive metrics



Digital Discovery – Persona / Activity

Each phase of the Asset Health Evaluation Process has specific user experience activities that need to be addressed by persona



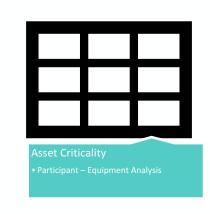


Vision

Create a starting for the users to access multiple experiences in congruence with existing experiences in Cargill today.













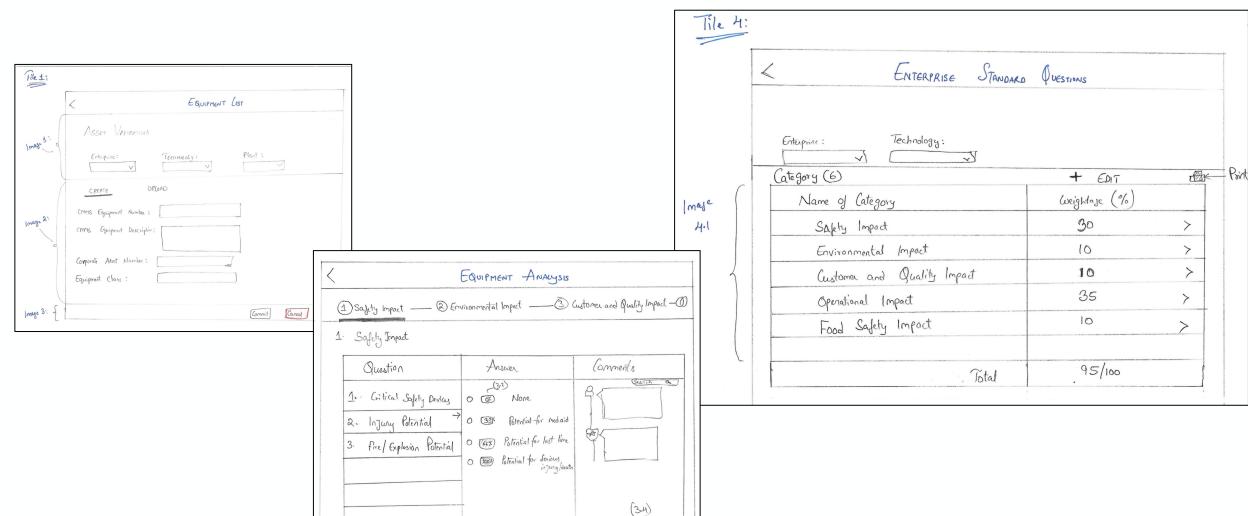






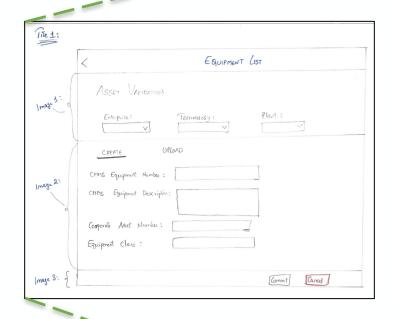
Design Thinking – Low Res

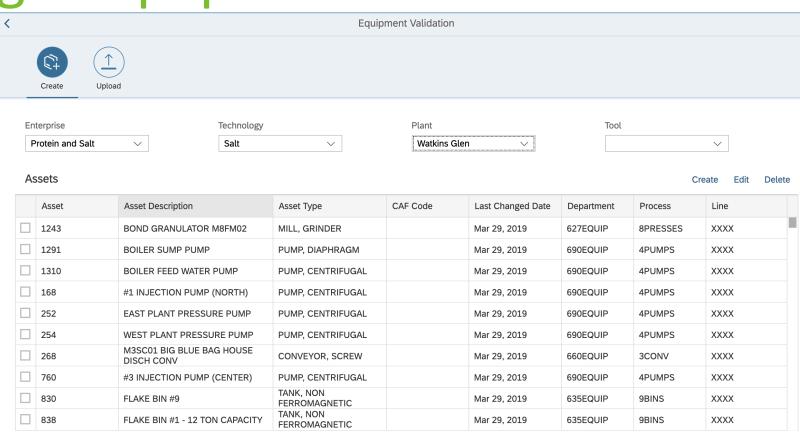
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Design Thinking – Equipment Validation

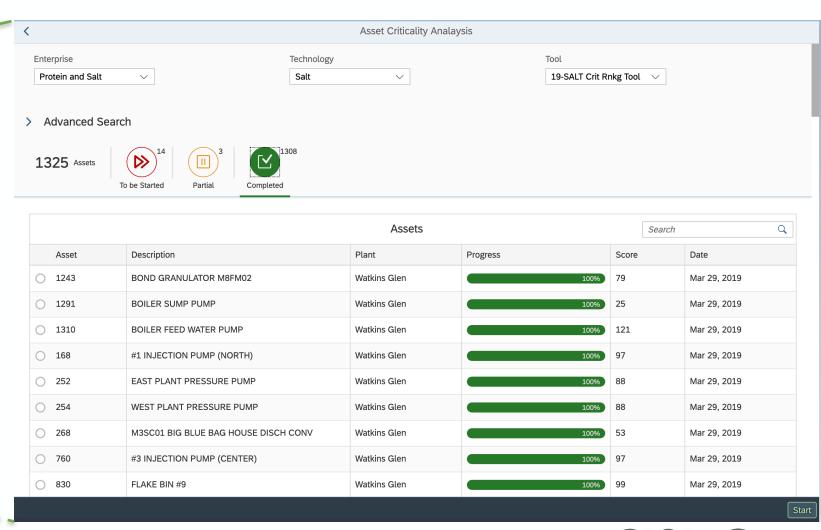






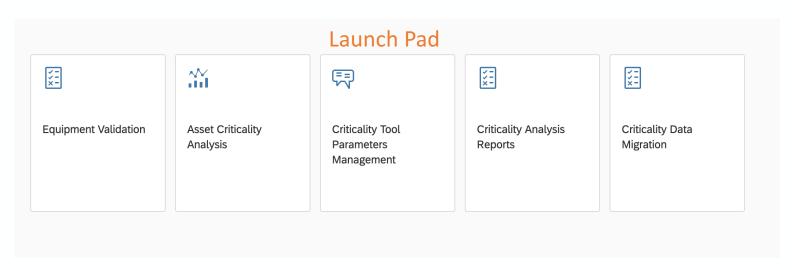
Design Thinking – Criticality Analysis







Application Overview



Criticality Score Calculation



28.4% Metrics

Criticality Assessment Probability

Severity

	Low	Medium	High
Low	Low - Low (78)	Low - Medium (71)	Low - High (26)
Medium	Medium - Low (138)	Medium - Medium (132)	Medium - High (79)
High	High - Low (148)	High - Medium (136)	High - High (89)



Resulting User Experience

- An Interactive Web
 Tool for the
 organization with
 increased User
 Experience
- Ability for multiple resources to engage with data platform
- Improved real time reporting
- Real time data synchronization



Demo Time















Contact Us

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Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:

http://info.asug.com/2019-ac-slides



Q&A

For questions after this session, contact us at Chris Hein@cargill.com, Lance Whittaker@cargill.com, and Naveen@mindsetconsulting.com.



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