# Food & Beverage Keynote: "Be Ready"

**Ted Combs** 

Food & Beverage Industry Principal

OSIsoft, LLC

December 8, 2020



# **Shocking**



**Awkward** 



**Not All Bad** 



**Sometimes Bad** 



**Tools Help** 



**Tools for Op's** 



## **COVID-19 AFFECT ON OPERATIONS**

## Changes

Consumption shifted from bars, clubs and restaurants to homes

Consumers avoided stores and purchased more on-line

#### Results

Companies had to shift what they produced

Which meant different packaging

Some production lines were stressed beyond capacity while others went idle

## Requirements

Operations needed to be...

- Agile
- Resilient
- Controlled Remotely



## **How Could Data Help?**



## **Challenges**

COVID 19 changed everything

SKU Pendulum

Transparency

**Shopping Behavior** 

Fulfillment



## **Leveraging Data**

Master Data Management

**Data Utilization** 

Data Infrastructure

Data Leverage

Data Analytics



#### **Benefits**

Transparency

Speed to Value

**Discoveries** 

Agility

Collaboration

# **Get Ready**







## For What?

Breakdowns

Contaminants

Consumer shifts – preference for micro brands

Corporate initiatives - Digital Transformation

Technology Advances – IIoT, Edge, Cloud Services

The Unexpected – a Pandemic



# **Be Ready**





# How?

Sense & Respond



# **How Now?**

Sense

Interpret

**Predict** 

Respond



# **Be Ready**







## What does it look like?

Data Infrastructure

Open

Ubiquitous

Contextual

Cloud Ready

Master Data Aligned

**Utilize Digital Twins** 



# Thank you

**Ted Combs** 

tcombs@osisoft.com

+1 630-788-7246



