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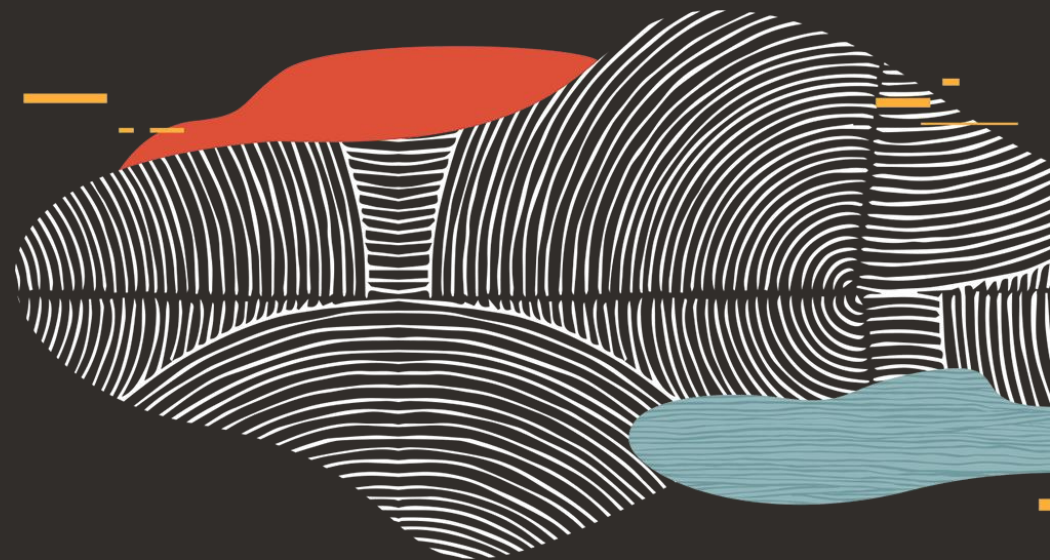
ORACLE
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JD EDWARDS

Les jeudis de l'IA

Clubs Utilisateurs Oracle

15 octobre 2020



Safe harbor statement

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The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

Agenda des 3 numéros

1. Présentation générale de l'IA

24 septembre

2. Focus ERP, HCM, CX

15 octobre

3. Focus sur la Tech

5 novembre

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CLUB UTILISATEURS
DE SOLUTIONS ORACLE

Accueil Actualités Clubs Communautés Journée Utilisateurs

Accueil > Événements > WEBINAR | Intelligence Artificielle | Introduction et Décryptage

WEBINAR | Intelligence Artificielle | Introduction et Décryptage



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Date de l'événement

Début : 24 septembre 2020 à 11h00
Fin : 24 septembre 2020 à 12h00

Intervenants

- Eric VESSIER, Principal Sales Analytics Consultant | ORACLE
- Yohann GARCIA, Vice-Président du Club IDE

24 septembre 2020 Webinar



Agenda du 15 octobre

1. Rappel sur l'IA

2. L'IA au service de la Finance

3. Marketing & Ventes

4. Manufacturing

LES 3 CARACTÉRISTIQUES D'UNE IA :

Une intelligence artificielle doit être capable :



D'apprendre



De s'adapter



De modifier son comportement

IA

Machine
Learning


Deep Learning

NLP: Natural Language Processing
RPA : Robotic Process Automation
BigData : et technologies prédictives

Big Data



Chatbot

NLP

Orchestration

RPA

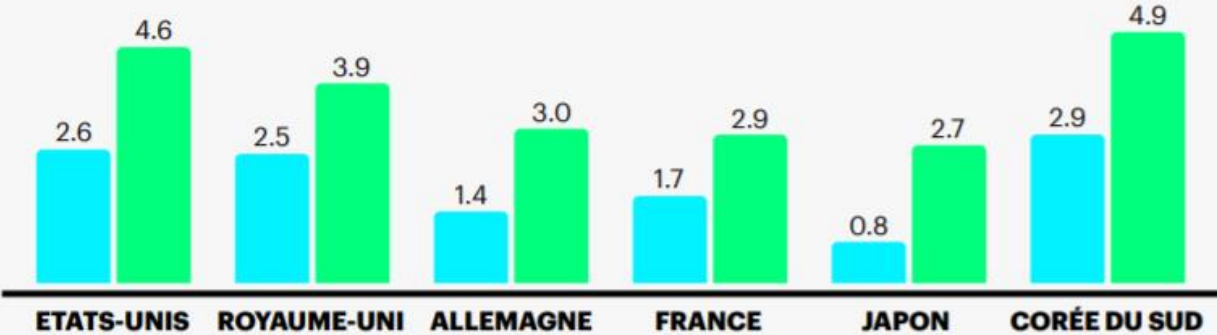
L'IA
cohabite
avec d'autres
révolutions numériques



Pourquoi l'IA ?

IMPACT ECONOMIQUE DE L'IA SUR UNE SÉLECTION DE PAYS DU G20

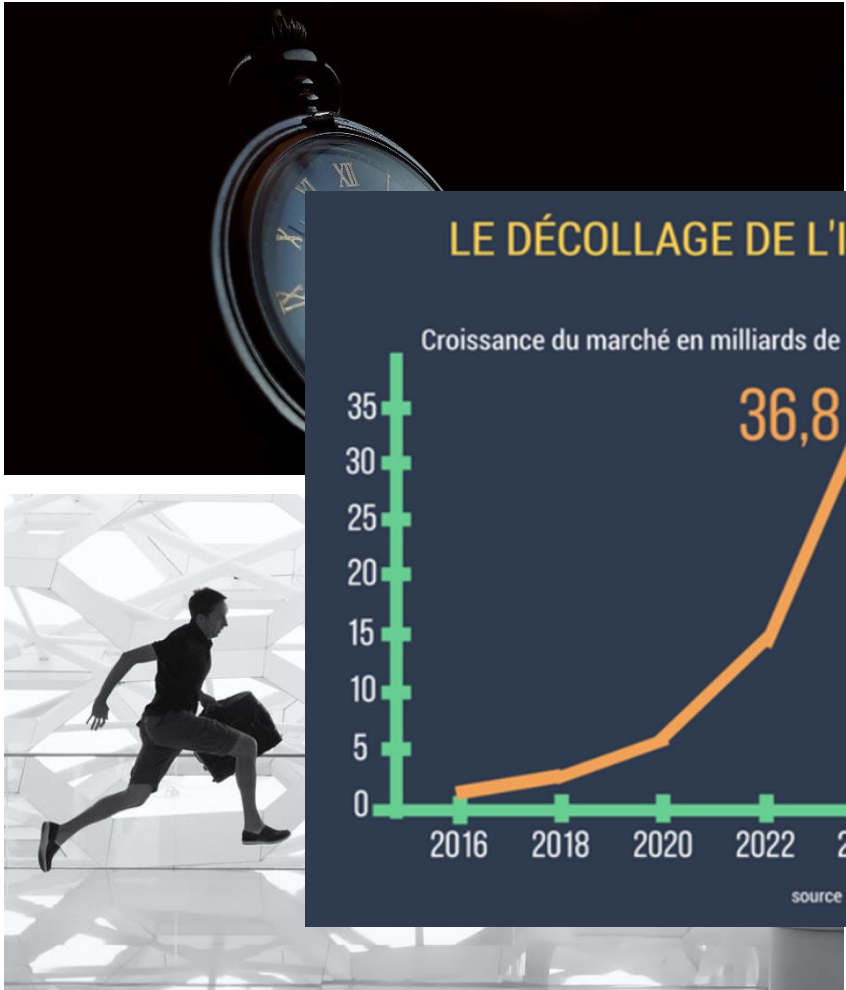
D'ici 2035, l'IA pourrait multiplier par deux les taux de croissance dans les pays étudiés



CROISSANCE DE RÉFÉRENCE
SCÉNARIO INTÉGRANT L'IA

Taux de croissance annuel de la valeur ajoutée brute (indicateur proche du PIB).
Ce diagramme compare la croissance de référence en 2035 à un scénario dans lequel l'IA fait partie intégrante de l'économie.

Source : Accenture « Why Artificial Intelligence is the Future of Growth »





L'intelligence artificielle dans la famille des produits Oracle



Ready-to-go

Applications

- Adaptive intelligent apps
- Intelligent UX
- Conversational agents



Ready-to-work

Platform Services

- Autonomous Database
- Oracle Analytics Cloud
- Cloud Infrastructure



Ready-to-build

ML Platform

- ML tools
- Data management
- Analytics
- 3rd party



Oracle Adaptive Intelligent Applications



Ready-to-go

Putting AI to work today

- Sur mesure et prêt à l'emploi
- Enrichi avec des données tierces
- Machine Learning et Data Science intégrés
- Résultats intelligents connectés



Agenda du 15 octobre

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Recommended Discount

MidSouth Wholesale

Supplier Score: 490

Recommended APR Range

Good	Better	Best
25%	27%	29%

Override

12 16 20 24 28 29

Selected: 29%

Why?

Accept Cancel



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Intelligence Artificielle Accélérateur de performance au service de la Finance

Nathalie LORIEN

Sales Development Manager – ERP & EPM





“Artificial intelligence and machine learning are radically transforming how business operates, especially finance. Routine tasks are being automated so that finance professionals can focus on what matters most—identifying the next growth markets.”

Safra A. Catz

Notre vision de la Finance

Tirer partie de l'innovation pour gagner en agilité et efficacité

Digitaliser la fonction Finance

Revoir le mode de fonctionnement de la finance en utilisant les nouvelles technologies afin de créer plus d'agilité et de réactivité pour les plans futur

Bénéficier des Nouvelles technologies Cloud

Accroître l'efficacité de la finance en tirant parti du ML/AI pour automatiser et analyser des informations

Faire évoluer la finance comme partenaire des décisions stratégiques

Aborder les décisions commerciales avec rigueur financière et une culture de collaboration renforcée



Un investissement pour l'avenir ...



Automatisation des opérations comptables

Automatisation des processus basés sur du Machine Learning, mise à disposition des données en temps réel



Forecast & Analyses prédictives

Enrichissement de données pour alimentation de modèles prédictifs conduisant à des prévisions et des analyses continues



Collaboration et pilotage proactifs

La Finance influence de manière proactive en utilisant les nouvelles technologies en toute sécurité et devient un partenaire des décisions stratégiques au sein de l'entreprise

Oracle Adaptive Intelligence Apps

Key Differentiator: Connected Intelligence

Sales

- Smart Talking Points
- TAM Expansion
- Account Prioritization
- Account Enrichment
- Account Data Diagnostic
- Signal Alerts
- Ideal Customer Profile Modeling
- Win Probability / Opportunity Scoring
- Next Best Action
- Deal Acceleration
- Digital Sales Assistant
- Virtual Service Assistant
- Next Best Product Recommendations
- Next Best Offer
- Intelligent Search

Marketing

- Intelligent Switch
- Look-a-like Modeling for Advertising
- Marketing Data Identity Resolution
- Web Real-Time Intelligent Targeting
- Marketing Campaign Performance Prediction
- RFM Scoring
- Lead Enrichment in Eloqua

Supply Chain

- Predict Demand
- Identify "At-Risk" Deliveries
- Anomaly Detection
- Maintenance Prediction and Planning
- Predict Operations Yield and Throughput
- Predict Product Quality, Scrap, and Returns

Financials

- Expenses Chat Bot
- Intelligent Document Recognition
- Intelligent Code Combination Defaulting
- Supplier Spend Intelligence
 - Smart Supplier Profile
 - Supplier Categorization
 - Supplier Spend Currency Conversion
- Supplier Spend Advanced Insights
- Intelligent Payment Discounts
- Conversational EPM Bot
- Intelligent Process Automation
 - Close Manager Integrations
 - Automated Consolidations
 - Auto Tagging for Disclosure Management
 - Intelligent Narrative Generation
- Intelligent Performance Management

HR

- Best Candidate
 - Candidate to Job Matching
 - Candidate Tiering
 - Stack Rank Applicants
 - Smart Candidate Re-Ranking
- Hiring Accelerator: Time-to-Fill
- Predict Employee Attrition
- Advanced HCM Controls
- Intelligent Employee Assistant



Intelligent Document Recognition: Intelligent Imaging

ORACLE

Alicia Daniels

916874593

CloseReviewSave

Timber Professional Care\$62,491.2302/28/2019Net 45Draft

Supplier

Timber Professional Care

Currency

USD

Amount

62,491.23

Site

Chicago

Payment Terms

Net 45

Address

5700 King St, Romeoville, Chicago, IL, Uni...

Due Date

04/11/2019

Legal Entity

Vision Corporation

Requester

Walker, Ken

Invoice Number

Received On

02/28/2019

Date

02/28/2019

Installments

Description

Invoice from Timber Professional Care for hospitality supplies

INVOICE			Timber Professional Care				
REMIT TO Timber- Professional Care Romeoville CHICAGO, IL 60695-0002 DUNS No. 01-532-7731			Please Reference Our Invoice Number In All Correspondence		2/26		
SOLD-TO PARTY ERON CLUB 123 Main St Allentown, PA 18062			SHIP -TO PARTY 62488044 ERON CLUB 123 Main St Allentown, PA 18062		BILL-TO PARTY 62485318 ERON CLUB 123 Main St Allentown, PA 18062		
Invoice Total Amount 62,491.23 USD			Sales order	2003732522	SHIPPING	Department	
Due By: 3/30/2019			Ordered By	Isaac Torres		Delivery No	
Inco Terms PPD US			Ordered Mode	Email		From	
						Via	
						Bill of Lading Number	
					Shipment No		
					Vehicle No		
Quantity	UOM	Stock No.	Description			Price	Allow
50	CS	35445	HUGGIES SNUG AND DRY DIAPERS STEP 5 GIANT PACK 120			38.44	
72	CS	35541	HUGGIES SNUG AND DRY ECONOMY PLUS - BROWN STEP 3			48.23	
60	CS	35547	HUGGIES SNUG AND DRY DIAPER S4 SIZE PLUS BROWN ECONOMY PLUS PACK 148			48.23	
70	CS	35548	HUGGIES SNUG AND DRY DIAPER S6 ECON PLUS BROWN STEP 6 BIG BROWN PACK 42			48.23	
80	CS	35549	HUGGIES SNUG AND DRY DIAPERS STEP 6 ECONOMY PLUS BROWN 140 STEP 6 PACK			48.23	
1	CS	35741	COTTONELLE FRESH CARE FLUSHABLE CLEANSING CLOTHS UPRIGHT DISPENSER 42			23.16	
60	CS	37301	HUGGIES LITTLE MOVERS SLIP-ON DIAPERS STEP 4 ECONOMY PLUS PACK 148			47.44	
80	CS	37304	HUGGIES LITTLE MOVERS SLIP-ON DIAPERS STEP 6 BIG PACK 42			21.32	
24	CS	38558	SCOTT EXTRA SOFT BATH TISSUE DOUBLE ROLL 9PK 254 FSC MIX 50SNA			16.92	
24	CS	38571	COTTONELLE ULT COMFORT CARE TOILET PAPER DR 12PK 105 FSC MIX 50SNA-COC-005480			31.04	
50	CS	38773	COTTONELLE CLEAN CARE TOILET PAPER DR 32PK 208 FSC			20.31	
80	CS	35445	HUGGIES SNUG AND DRY DIAPERS 5 BIG PACK 140			38.44	
40	CS	35445	HUGGIES SNUG AND DRY DIAPERS 4 BIG PACK 120			38.44	
WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE FAIR L AND OF REGULATIONS AND ORDERS OF THE U.S. DEPARTMENT OF LABOR ISSUED THERE UNDER. ABOVE SALE IS SUBJECT TO TER AVAILABLE UPON REQUEST							

WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE FAIR LABOR AND OF REGULATIONS AND ORDERS OF THE U.S. DEPARTMENT OF LABOR ISSUED THERE UNDER. ABOVE SALE IS SUBJECT TO TERMS AVAILABLE UPON REQUEST.



Machine Learning: Charge Code Defaulting

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Search

142

Edit Invoice: AND-453701

Not validated

Invoice Actions

Save

Save and Edit Another

Save and Close

Cancel

Last Saved 3/19/20 06:30 AM

Invoice Header

Show More

Identifying PO

Business Unit Vision Operations

* Supplier Advanced Network Devices

Supplier Number 1013

* Supplier Site FRESNO

* Legal Entity Vision Operations

Invoice Group IMAGE:326068

* Number AND-453701

* Amount USD 330.00

Type Standard

* Date 3/12/20

* Payment Terms Immediate

* Terms Date 3/12/20

Requester

Attachments Invoice Image AND-453701

Note

Lines

Match Invoice Lines

View

+

×

Detach

Allocate

Cancel Line

Distributions

Distribution

Reference

Tax

Purchase Order

Asset

Project

* Number	* Type	* Amount	Reference	Distribution	Distribution Combination	Accounting
			Description	Distribution		
1	Item	300.00	Plain Item # 1234		01-600-7153-0000-000	3/12/20

Taxes

Advanced Network Devices

America's Headquarters Network Devices

FRESNO

5600 Independence Ave,

FRESNO, CA 95602

UNITED STATES

Sales Person

Terms

Invoice Date

Invoice No

NATIONAL ACCTS

4/10, 3/20,

12/Mar/2020

AND-453701

MISC

2/30 Net 60

Shipped Via UPS GROUND

Stop # 001

Unload Point

Ship To:

VISION OPERATIONS

Qty Not Shipped

Qty Shp

UOM

Catalog Number

Ref Code

Description

Unit Price

Ext

10

EA

Plain Item # 1234

30

Sub Total :

Tax:

Shipping & Handling :

Order Source Discount :

Total Due :

state and local taxes where applicable. Title and immediate right to possession in all the aforesaid goods remain with E

ly paid for U.S. dollars in cash or by check drawn on a U.S. bank.

E

pay a service charge of the lesser of 18 percent per annum (payable monthly) or the maximum rate allowed under appl

due balances.

N Non - Taxable Item

B Not Complete - Item had been Back Ordered

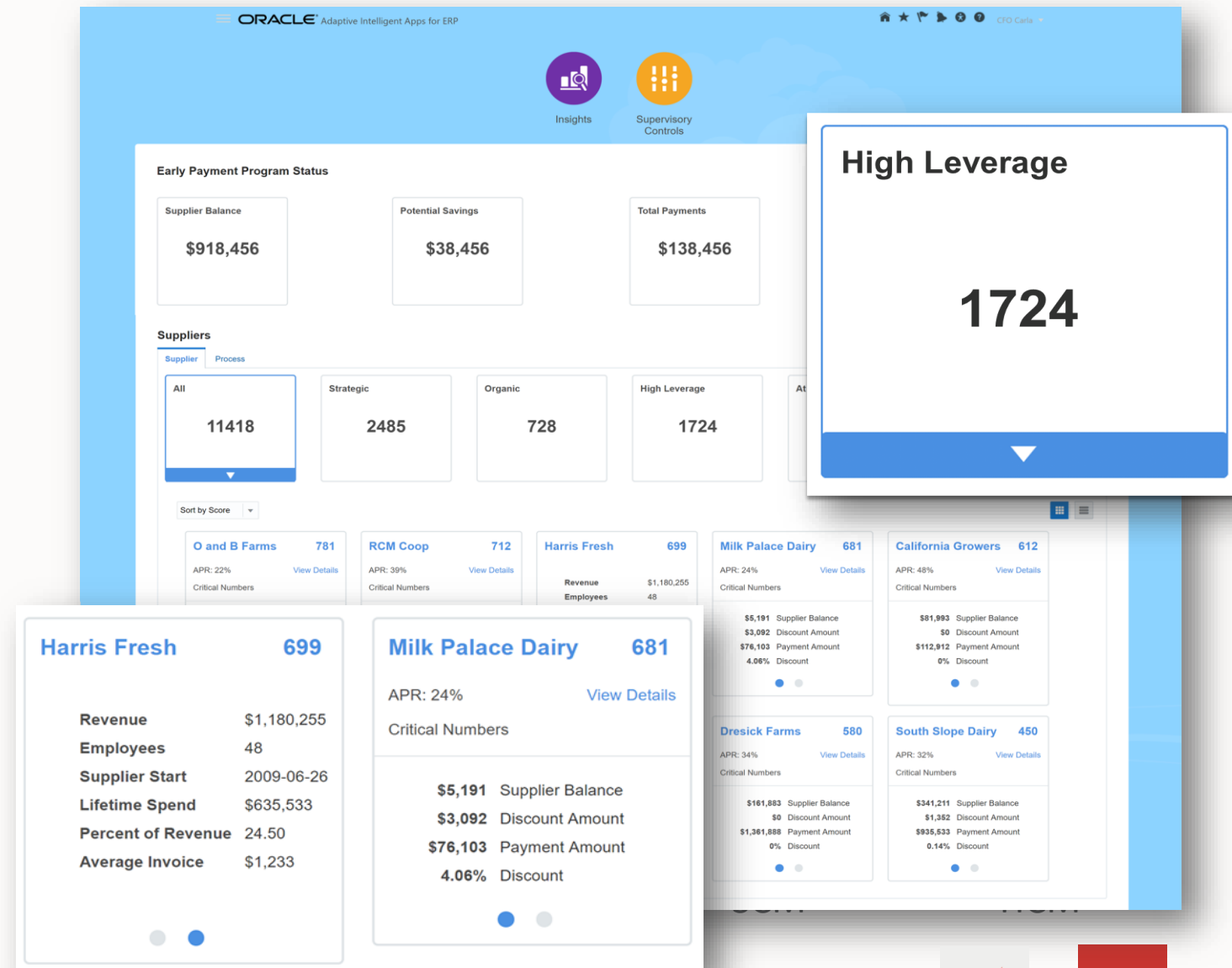
R Not Complete - Please Re-Order Item



Supplier Categorization

Les données collectées sur les entreprises permettent de classer et de catégoriser intelligemment les fournisseurs afin d'optimiser les négociations d'escomptes et le portefeuille global de fournisseurs pour :

- Améliorer les négociations avec les fournisseurs
- Identifier et minimiser les risques de la chaîne d'approvisionnement
- Soutenir les fournisseurs stratégiques



Intelligent Payment Discounts

Propositions de négociation de remises spécifiques fournisseurs pour paiement anticipé, générées dynamiquement, pour le paiement des dettes en cours, sur la base d'informations actuelles fournisseurs :

- Optimisation des remises accordées par les fournisseurs
- Calcul des économies non réalisées avec les conditions d'escomptes traditionnelles
- Calcul du ROI sur les liquidités

The screenshot displays the Oracle Intelligent Payment Discounts interface. The main window is titled 'Create Payment' and includes fields for Business Unit, Supplier or Party, Supplier Site, Address, Payment Date, and Payment Method. A 'Recommended Discount' pop-up is visible, showing a 'Supplier Score' of 490 for MidSouth Wholesale. The pop-up also displays a 'Recommended APR Range' with options for 'Good', 'Better', and 'Best' (25%, 27%, and 29% respectively). Below the APR range, there is an 'Override' section with a slider and a 'Selected' value of 29%. The pop-up also includes a 'Why?' section and 'Accept' and 'Cancel' buttons. In the background, a 'Supplier Detail Page' for Harris Fresh is visible, showing a 'Score 699' and various financial metrics. A 'History' section at the bottom right shows 'Total Payments' of \$12,275,388 and 'Savings To Date' of \$251,010.

Recommended Discount	
MidSouth Wholesale	
Supplier Score: 490	
Recommended APR Range	
Why?	
High Margin	High Volume
Revenue: 100M - 250M	Last Discount Date: 1/16/18
Employees: 1000 - 5000	Number of Discounted Invoices: 11
Formation Date: 1/11/08	Average Discount Percentage: 22.0
Industry Name: Wholesale Distributor	Total Discounted Amount: \$1,040.18
Industry Activity: Wholesale Distributor	
Credit Score: 660	
Average Invoice: 232,899.43	
Number of past Invoices: 491	
Percentage of Revenue: 23.3	

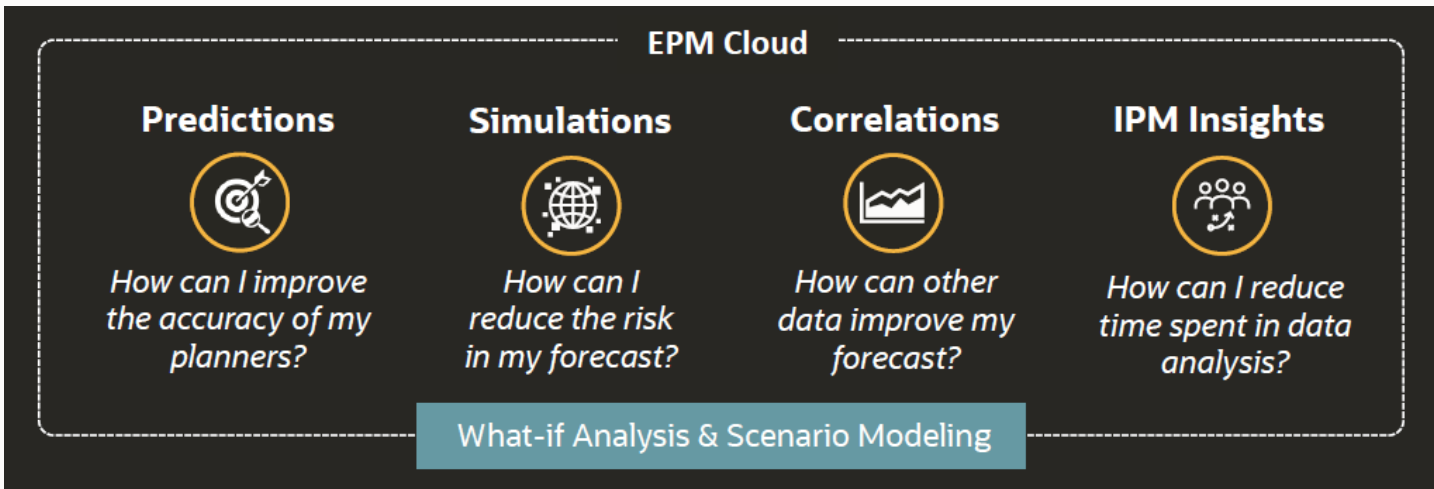
Recommended APR Range		
Good	Better	Best
25%	27%	29%
Override		
Selected: 29%		
Why?		
Accept Cancel		

Supplier Detail Page	
Score 699	
Harris Fresh	
1123 South First, Austin 78704	
Details	
Organic Produce	
\$1,180,255 Revenue	
48 Employees	
2009-06-28 Supplier St	
\$635,531 Average Sp	
24.50 Percent of I	
\$1,233 Average In	
\$24,884 Discounts	
605 Credit Score	

History	
Total Payments	Savings To Date
\$12,275,388	\$251,010
67% of Target	
Offer Sent: Jan 18, 2018	
Offer No Response: Jan 21, 2018	
Offer Accepted: Jan 21, 2018	
Offer Rejected: Jan 21, 2018	



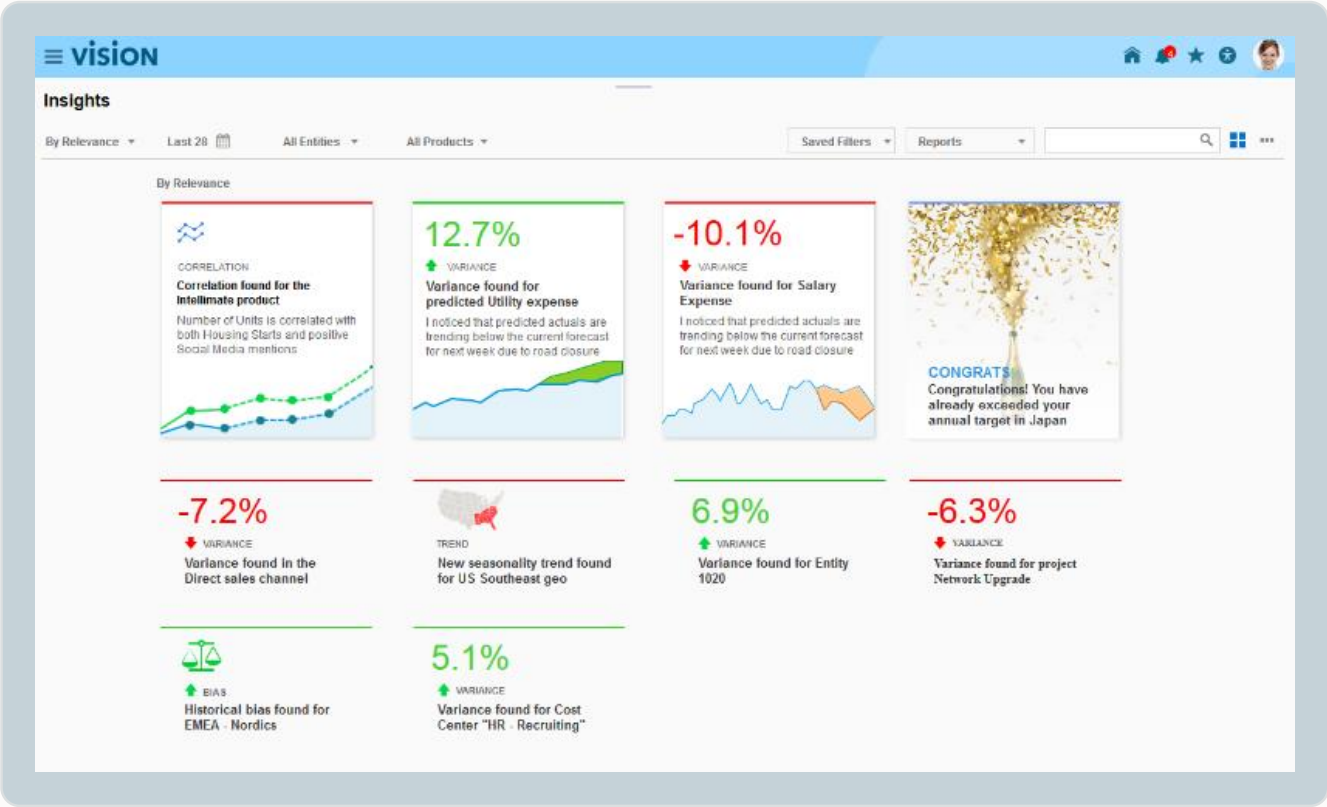
Intelligent Performance Management (IPM)



Révéler les corrélations cachées et réaliser les actions avec plus de réactivité :

- Détection des signaux
- Analyse des causes
- Analyse de l'information
- Recommandation d'actions
- Etats collaboratifs
- Reporting narratif intelligent

Intelligent Performance Management (IPM)



CORRELATION

Correlation found for the Intellimate product

Number of Units is correlated with both Housing Starts and positive Social Media mentions



12.7%

↑ VARIANCE

Variance found for predicted Utility expense

I noticed that predicted actuals are trending below the current forecast for next week due to road closure



AI moteur d'efficience

33%

Gain de
productivité

32%

Amélioration de la
précision des
forecasts

37%

Réduction
d'erreurs



Réduction du délai de
cloture de **4 jours**

Source: "Emerging Technologies: Driving Financial and Operational Efficiency" 2020 ESG-Oracle research

AI Apps for ERP Customers

Intelligent Document Recognition



BARRO GROUP

sientra®



Alro Steel
Metals • Industrial Supplies • Plastics

SEAONE



Intelligent Payments



AEROMEXICO



Nemours



Pilot



FIRSTRAND



RICOH



Early Adopter

Intelligent Distribution Combination Defaulting

HEARST

Beta



Beta



Beta

Production Resource Group



Merci

Nathalie LORIEN

Sales Development Manager – ERP & EPM



Agenda du 15 octobre

1. Rappel sur l'IA
2. L'IA au service de la Finance
3. Marketing & Ventes
4. Manufacturing



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I.A & gestion de l'expérience client : Quelles nouvelles applications au delà de la "reco produit" ?

Webinar AUFO – jeudi 15 octobre 2020



Roland Koltchakian
Spécialiste expérience client
Roland.Koltchakian@oracle.com

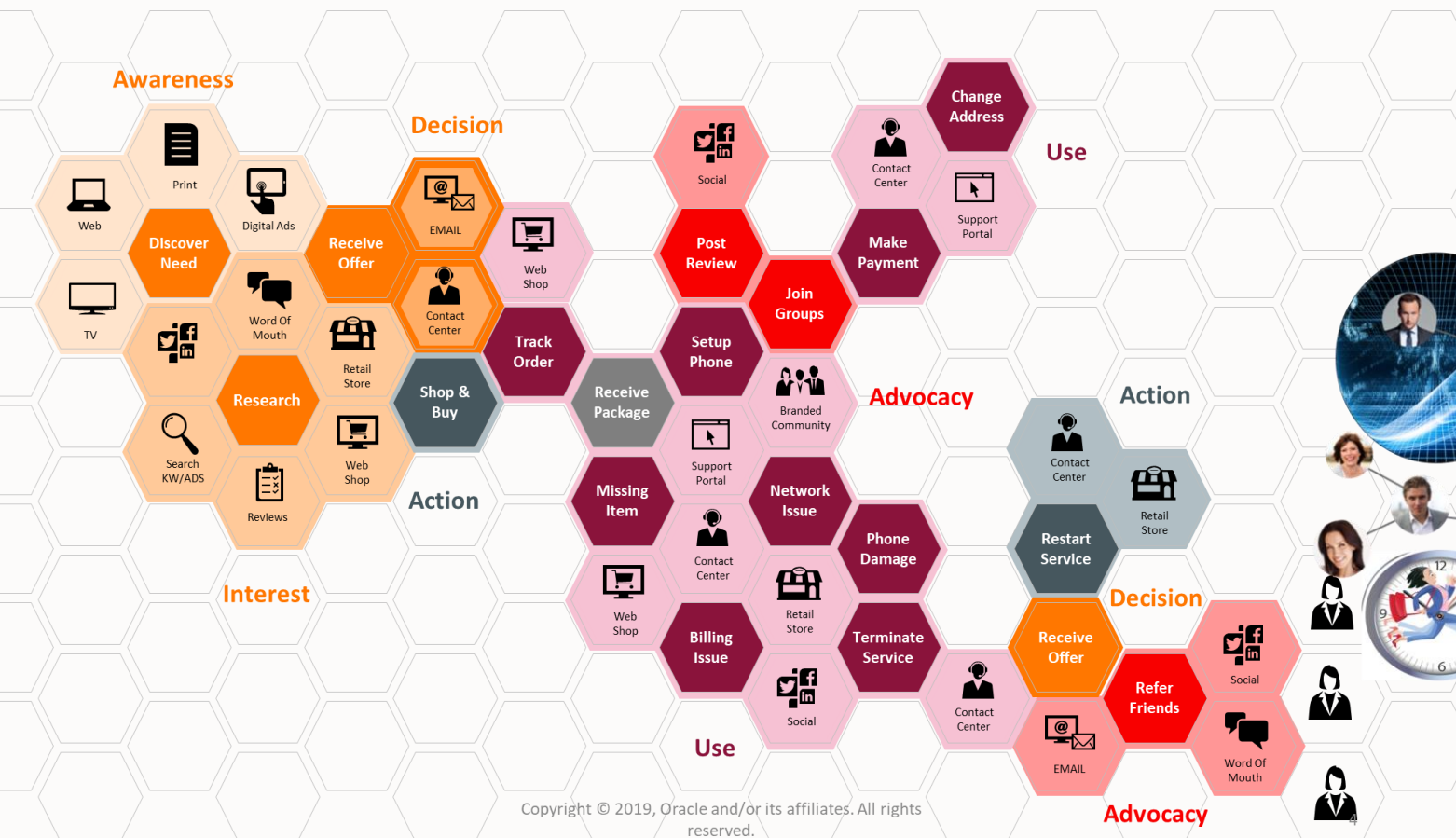


Objet de l'intervention

- Une intervention qui ne sera pas consacrée à revenir sur les grands éléments de définition liés à l'intelligence artificielle mais qui a avant tout vocation à « penser » l'I.A appliquée au domaine de l'expérience client au-delà de la recommandation produit
- Rappeler les grands enjeux au travers desquels l'I.A permet d'apporter des réponses opérationnelles ou d'accélérer les processus d'innovation dans un contexte inédit de complexité et de convergence
- Présenter les domaines et les pratiques où l'I.A génère du R.O.I
- Présenter des cas concrets d'innovation significative grâce à l'I.A en matière d'intimité client et d'hyper personnalisation



L'utilisation de l'I.A permet avant tout d'apporter des réponses face aux phénomènes d'hyper complexité et d'hyper connectivité qui impactent les parcours clients et qui marquent la fin de leur linéarité



+ de 6 millions d'objets connectés vendus en France en 2019

6 écrans en moyenne / foyer

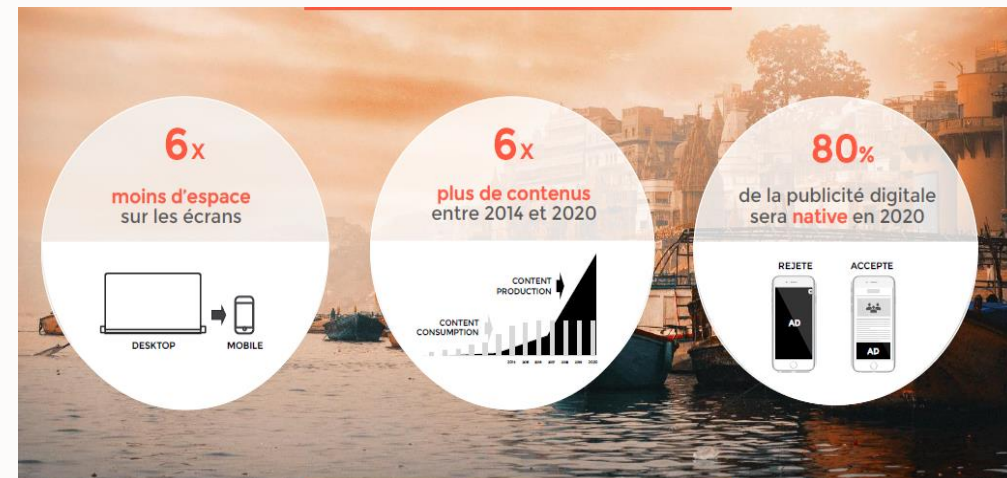
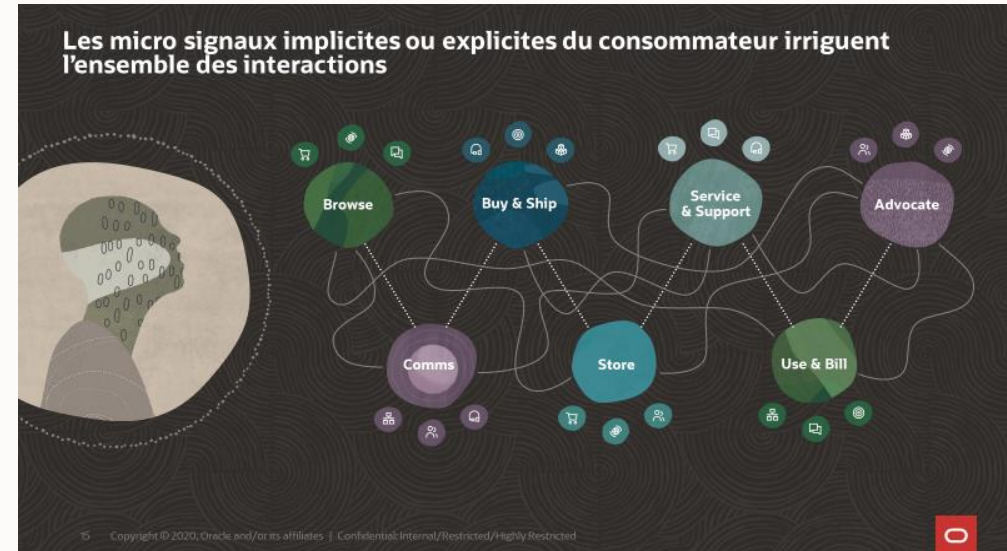


3,6 points de contact sollicités en moyenne avant achat

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La notion de gestion du temps réel en flux continu exerce une pression incroyable pour la performance des marques sur tout un ensemble de composantes



Dans ce contexte, c'est bien toute l'équation historique du marketing client ou du CRM qui doit être repensée grâce notamment à l'I.A

De nouvelles déclinaisons métier et techniques afin de définir et gérer l'entité « client » :

- Anonyme vs identifié
- Segment of one
- Foyer
- Audiences
- Persona
- Cookie
- CRM ID
- Identités digitales

Diversifier la notion d'offre :

- Contenus exclusifs
- Services à valeur ajoutée
- Recommandations produits
- Traitement différencié
- Évènements de vie
- Valorisation de la data privacy / Zero party data
- Récompenser l'influence

La bonne offre

Au bon client

Au bon moment

Aujourd'hui, l'enjeu est de comprendre le « contexte » dans sa globalité en matière d'activation client :

- Géolocalisation
- Brand safety & environnement
- Viewability
- Nature du device
- In app ou non

Par le bon canal

Le canal devient un média de visibilité et d'influence, le média devient un canal d'engagement

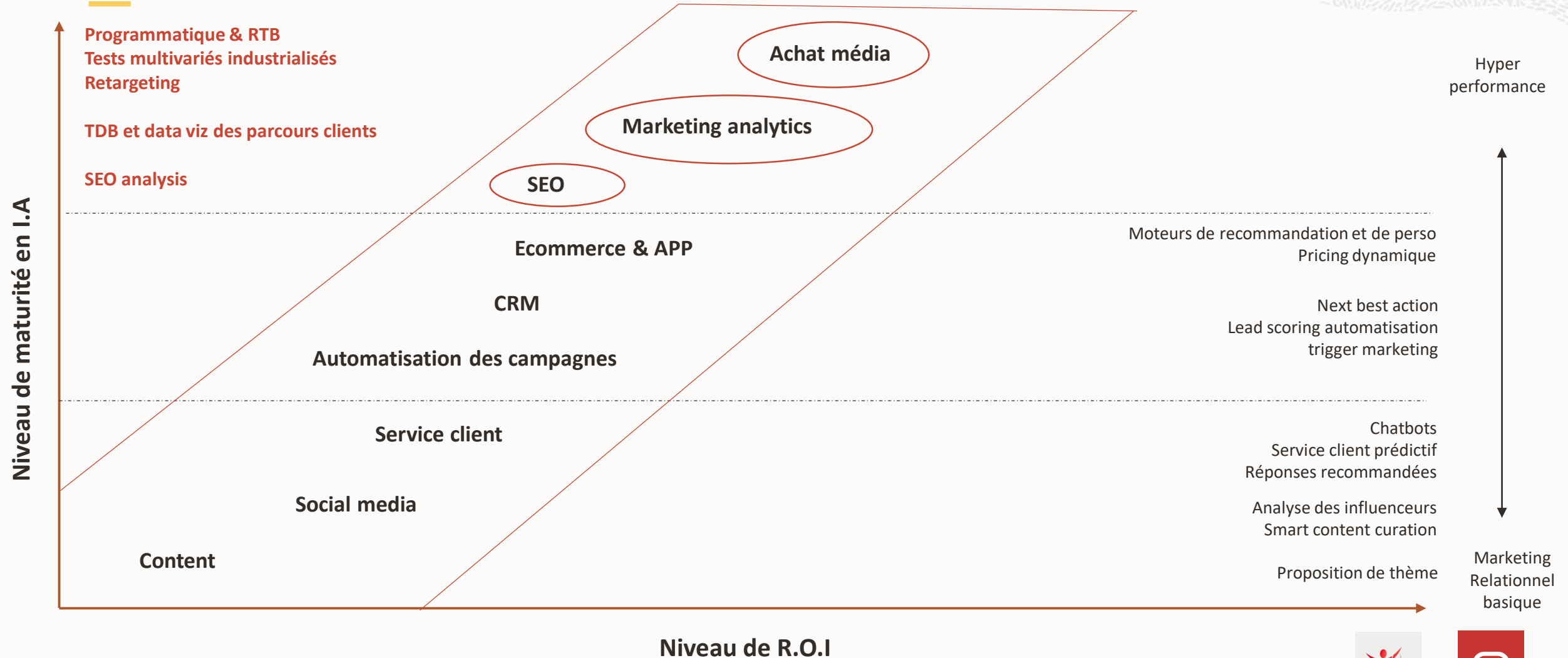
- Convergence entre le monde de la publicité digitale et le CRM
- Convergence entre les espaces physiques et les espaces digitaux
- Sophistication des formats pour + d'interactivité
- Intégration de boutons dans les notifications « push »



© marketoonist.com



I.A & R.O.I : une proposition de grille de lecture afin de prioriser les investissements



I.A & expérience client : innover (enfin) au-delà du Next best offer afin de mieux « personnifier » la relation avec le consommateur



4 millions de recommandations clients traités avec le skin advisor

Analyse et bilan épidermique hyper fin grâce aux informations stockées dans une base externe



Le secteur de la « beauty tech » est particulièrement en pointe en matière d'intimité client(e) et de conseils personnalisés grâce à la reconnaissance d'image ou à l'utilisation de gigantesques sources de données externes telles que le beauty genome project

I.A & expérience client : Au delà du prédictif, devenir réellement « pro-actif »

L'I.A développée par Uber
prédit avec exactitude
50% des destinations

 **Michelangelo**
Jeremy Hermann, Machine Learning Platform @ Uber

Uber

Le LoweBot assiste les
clients en 70 langues,
soulage les employés de
tâches à faible valeur
ajoutée, scanne les
produits et commande le
réassort



Ces I.A augmentées permettent d'anticiper les besoins du consommateur en analysant non pas seulement qui ils sont ou leur historique transactionnel, mais en intégrant de façon très fine le poids et l'influence du contexte dans lequel s'opèrent les interactions

En conclusion : la question de l’operating model afin d’intégrer et d’exploiter toutes les potentialités de l’I.A

QUOI			COMMENT			POURQUOI		
OBJECTIF		PROCESS		BENEFICES		BESOINS CONSOMMATEURS	EXCELLENCE MARKETING	KPI'S
1. Automatisation 2. Optimisation 3. Augmentation	DES	1. Données 2. Actions 3. Interactions	AFIN DE	1. Prédire les comportements 2. Anticiper les besoins 3. Mieux personnaliser	>	1. + de pertinence 2. + de praticité (CES) 3. + de fluidité	POUR 1. CX omnicanal 2. Perso à grande échelle 3. Différenciation	1. Rentabilité 2. Économies 3. NPS / CSAT
Efficacité opérationnelle Excellence des processus								
COMPETENCES			DIGITAL IQ			CULTURE		
STACK TECHNOLOGIQUE			INFRASTRUCTURE DATA			PROCESSUS		



Oracle AI apps for CX

- Ready-to-go AI
- Company and trusted data
- Oracle modern cloud

Key differentiator:
Connected intelligence



A word cloud featuring the French word "Merci" (Thank you) repeated numerous times. The words are rendered in various sizes, colors (including red, blue, yellow, orange, and white), and orientations (horizontal and vertical). The background is dark, making the colorful text stand out. The word "Merci" is the central and largest element, with many smaller instances scattered around it.

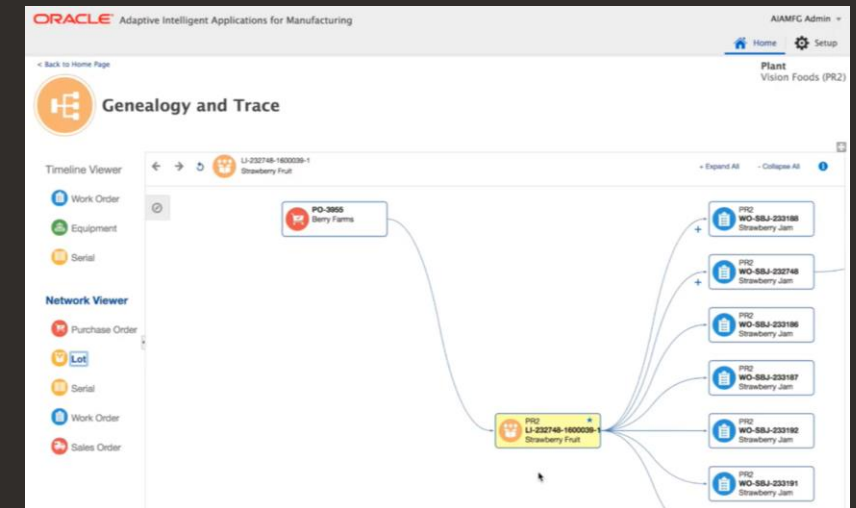
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Product Video Series

Adaptive Intelligent Apps for Manufacturing

Functional Overview



Welcome to Oracle Adaptive Intelligent Applications for Manufacturing

[Get Started](#)

Insights

Explore machine learning driven patterns and correlations from historical manufacturing big data that affect operational efficiencies.



Genealogy & Trace

View backward and forward trace of products from disparate operational and informational technology systems spanning manufacturing and supply chain processes.



Factory Command Center

360 degree view of operations across manpower, machines, materials, methods, and management.



Predictions

Review predictive alerts and influencing factors about operational metrics such as yield, defects, rework, scrap, cycle time, costs etc. to enable timely corrective actions.





Insights



Evaluation



Modeling



Configuration

< Back to Home Page



Insights

Plant
Vision Foods (PR2)

Latest Insights!

Review latest insights about key patterns and correlations that affect operational efficiencies

Quality

13.42% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Above Upper Limit when Maximum Temperature of OVEN during the RUN-TIME activity of Operation 10 (STEAM) was more than 107.5 F, Kettle_Operator was "James Smith", Sugar consumed at Operation 20 (PREHEAT) was 549.58 LB or less and Strawberry_Supplier was "Berry Farms"



More...

Yield

15.61% of the work orders for Strawberry Jam had a Low yield at Operation 10 (STEAM) when Day_Of_The_Week was "Friday" and Oven_Operator was "David Cooper"

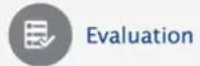


More...





Insights



Evaluation



Modeling



Configuration

[< Back to Home Page](#)Plant
Vision Foods (PR2)

Insights

Latest Insights!

Review latest insights about key patterns and correlations that affect operational efficiencies

Quality

45.06% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) On Target when Kettle_Operator was "David Cooper", "John Smith", "Julie Miller" and Maximum Temperature of OVEN during the RUN-TIME activity of Operation 10 (STEAM) was 108 F or less

[More...](#)

Yield

15.61% of the work orders for Strawberry Jam had a Low yield at Operation 10 (STEAM) when Day_Of_The_Week was "Friday" and Oven_Operator was "David Cooper"

[More...](#)



< Back to Insights

Plant
Vision Foods (PR2)



Quality Insights

Insights

18

Total



- Above Upper Limit
- Within Upper Limit
- On Target
- Within Lower Limit
- Below Lower Limit

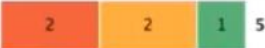


Most Published Insights

pH Level



Consistency



Total Soluble Solids%



- Above Upper Limit
- Within Upper Limit
- On Target
- Within Lower Limit
- Below Lower Limit

Latest Insights

89.90%

Factors
Influence

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

Consistency

Above Upper Limit

13.42% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Above Upper Limit when Maximum Temperature of OVEN during the RUN-TIME activity of Operation 10 (STEAM) was more than 107.5 F, Kettle_Operator was "James Smith", Sugar

Insight published on May 14, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018

80%

Factors
Influence

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

Consistency

Within Upper Limit

5.62% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Within Upper Limit when Sugar consumed at Operation 20 (PREHEAT) was 555.02 LB or less, Kettle_Operator was James Smith and Strawberry_Supplier was Creek Organic Farms

Insight published on May 14, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018

93.18%

Factors
Influence

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

Consistency

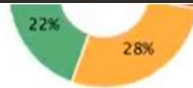
Within Upper Limit

4.27% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Within Upper Limit when Kettle_Operator was "James Smith", Maximum Temperature of OVEN during the RUN-TIME activity of Operation 10 (STEAM) was more than 107.5 F, Sugar consumed

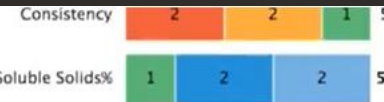
Insight published on May 8, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018



10
Total



● Within Lower Limit
● Below Lower Limit



● On Target
● Within Lower Limit
● Below Lower Limit

Latest Insights

89.90%

Factors
Influence

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

Consistency

Above Upper Limit

13.42% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Above Upper Limit when Maximum Temperature of OVEN during the RUN-TIME activity of Operation 10 (STEAM) was more than 107.5 F, Kettle_Operator was "James Smith", Sugar

Insight published on May 14, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018

80%

Factors
Influence

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

Consistency

Within Upper Limit

5.62% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Within Upper Limit when Sugar consumed at Operation 20 (PREHEAT) was 555.02 LB or less, Kettle_Operator was James Smith and Strawberry_Supplier was Creek Organic Farms

Insight published on May 14, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018

93.18%

Factors
Influence

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

Consistency

Within Upper Limit

4.27% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Within Upper Limit when Kettle_Operator was "James Smith", Maximum Temperature of OVEN during the RUN-TIME activity of Operation 10 (STEAM) was more than 107.5 F, Sugar consumed

Insight published on May 8, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018

83.91%

Factors
Influence

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

Consistency

On Target

45.06% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) On Target when Kettle_Operator was "David Cooper", "John Smith", "Julie Miller" and Maximum Temperature of OVEN during the RUN-TIME activity of Operation 10 (STEAM) was 108 F or less

Insight published on May 8, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018

67.33%

Factors
Influence

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

Consistency

Above Upper Limit

14.05% of the work orders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Above Upper Limit when Strawberry_Supplier was "Berry Farms", Kettle_Operator was "James Smith" and Sugar consumed at Operation 20 (PREHEAT) was 549.58 LB or less

Insight published on May 8, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018

89.81%

Factors

Strawberry Jam, STRAWBERRY JAM-1, 30 (VAC-COOK)

pH Level

On Target

44.95% of the work orders of Strawberry Jam had pH Level at Operation 30 (VAC-COOK) On Target when duration of Operation 20 (PREHEAT) was 10 Min 30 Sec or less, pH Test of Strawberry Fruit was 3.5 PH or less and Average Temperature of VAC-KETTLE during the RUN-

Insight published on Apr 25, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018



< Back to Quality Insights



Quality Insight

Strawberry Jam, SBJ006

STRAWBERRY JAM-1, Operation 30 (VAC-COOK)

Plant
Vision Foods (PR2)

Insight Measure

Consistency
Above Upper Limit

Insight

Insight published on May 14, 2018 for 1918 work orders of Strawberry Jam completed between Nov 1, 2017 and Jan 26, 2018

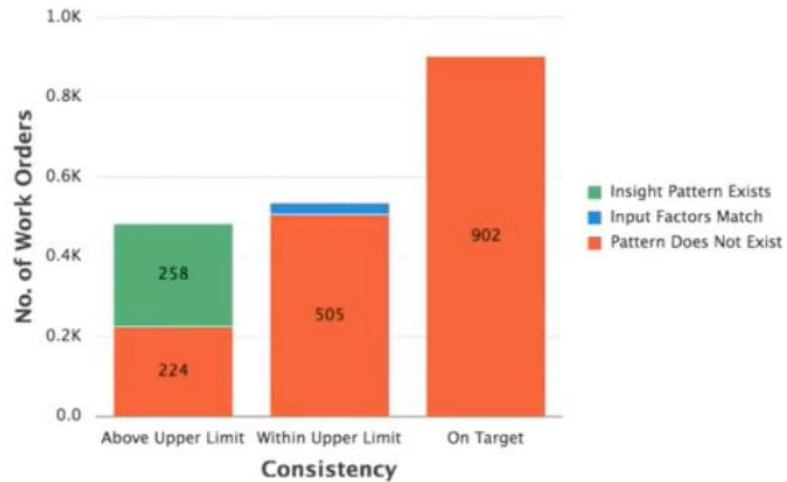
13.42% of the workorders of Strawberry Jam had Consistency at Operation 30 (VAC-COOK) Above Upper Limit when Maximum Temperature of OVEN during the RUN-TIME activity of Operation 10 (STEAM) was more than 107.5 F, Kettle_Operator was "James Smith", Sugar consumed at Operation 20 (PREHEAT) was 549.58 LB or less and Strawberry_Supplier was "Berry Farms"

Factors Influence

89.90%
SJConsistency_Insig
Insight Model

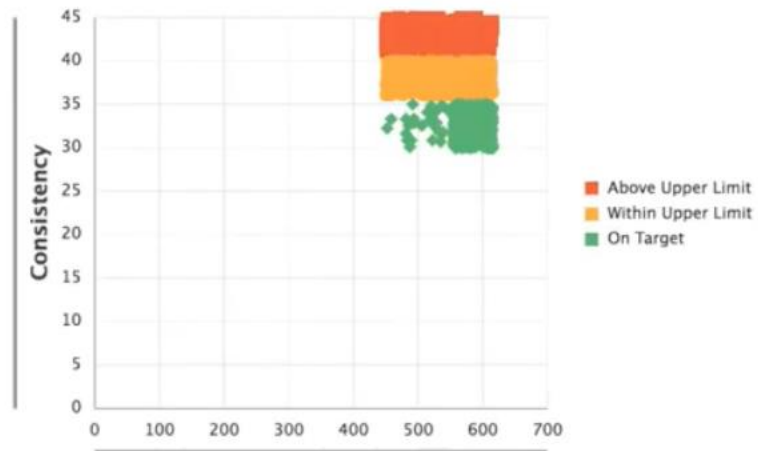
Insight Measure Classification

Export



Correlation

Factor 1 of 4



Material

ING_ACTUAL

Item: Sugar



Machine

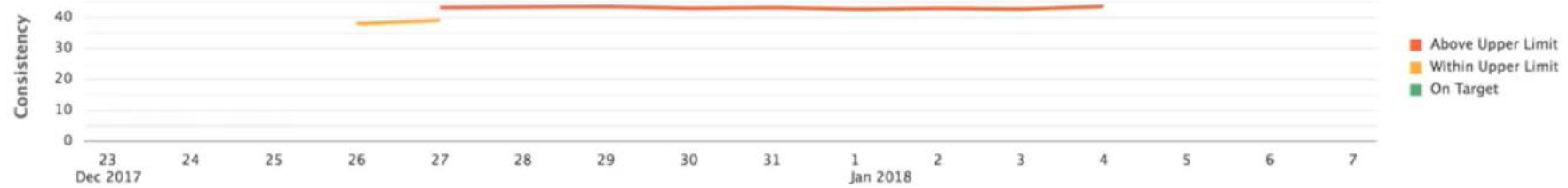


Sensor Summary

MAX_TEMPERATURE
Maximum Temperature

Equipment: OVEN, Parameter:
Temper, ...
Operation 10 (STEAM): , Activity:
RUN-TIME

Insight Timeline



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Genealogy & Trace



Insights

Explore machine learning driven patterns and correlations from historical manufacturing big data that affect operational efficiencies.



Factory Command Center

360 degree view of operations across manpower, machines, materials, methods, and management.



Genealogy & Trace

View backward and forward trace of products from disparate operational and informational technology systems spanning manufacturing and supply chain processes.



Predictions

Review predictive alerts and influencing factors about operational metrics such as yield, defects, rework, scrap, cycle time, costs etc. to enable timely corrective actions.



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Plant
Vision Foods (PR2)



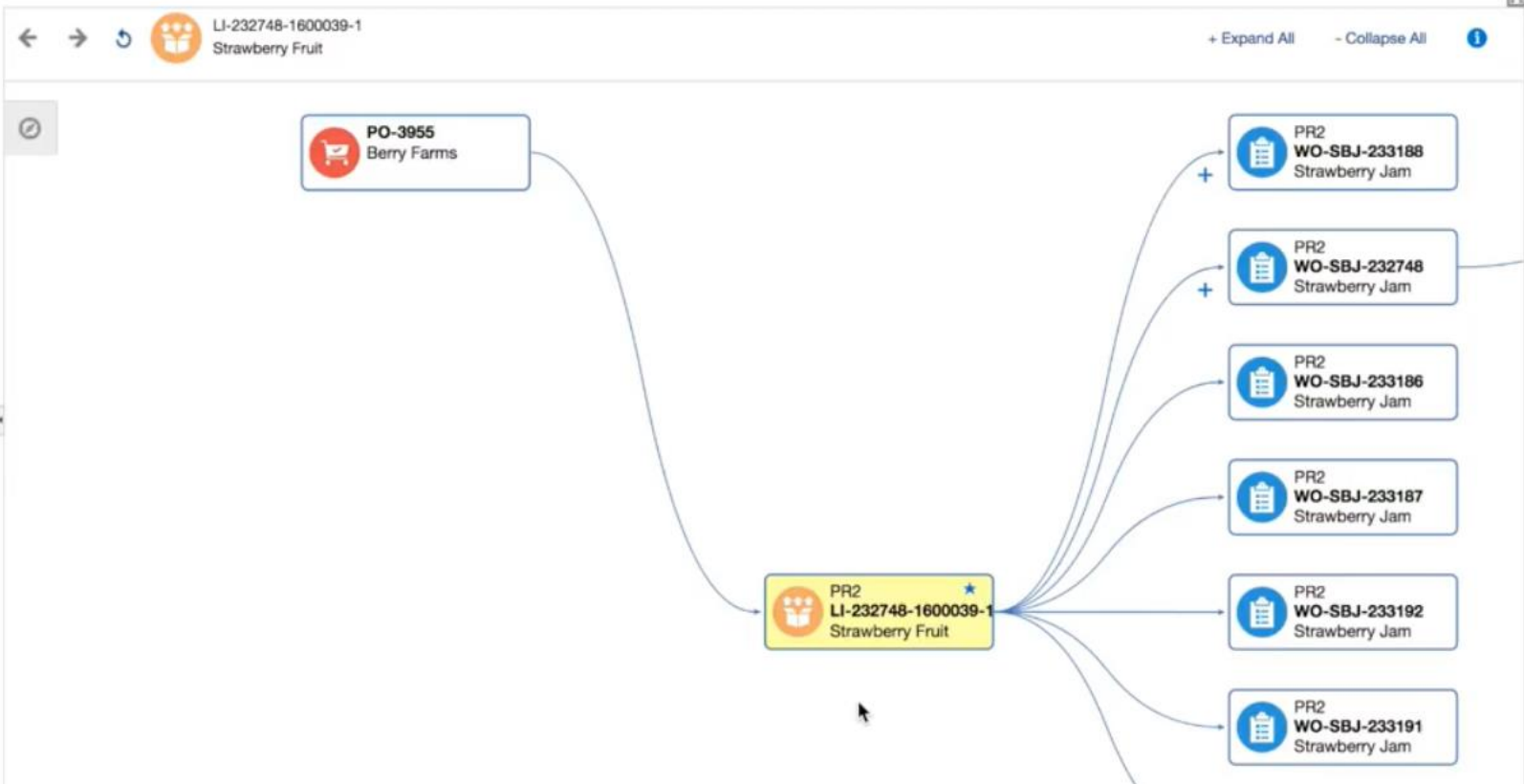
Genealogy and Trace

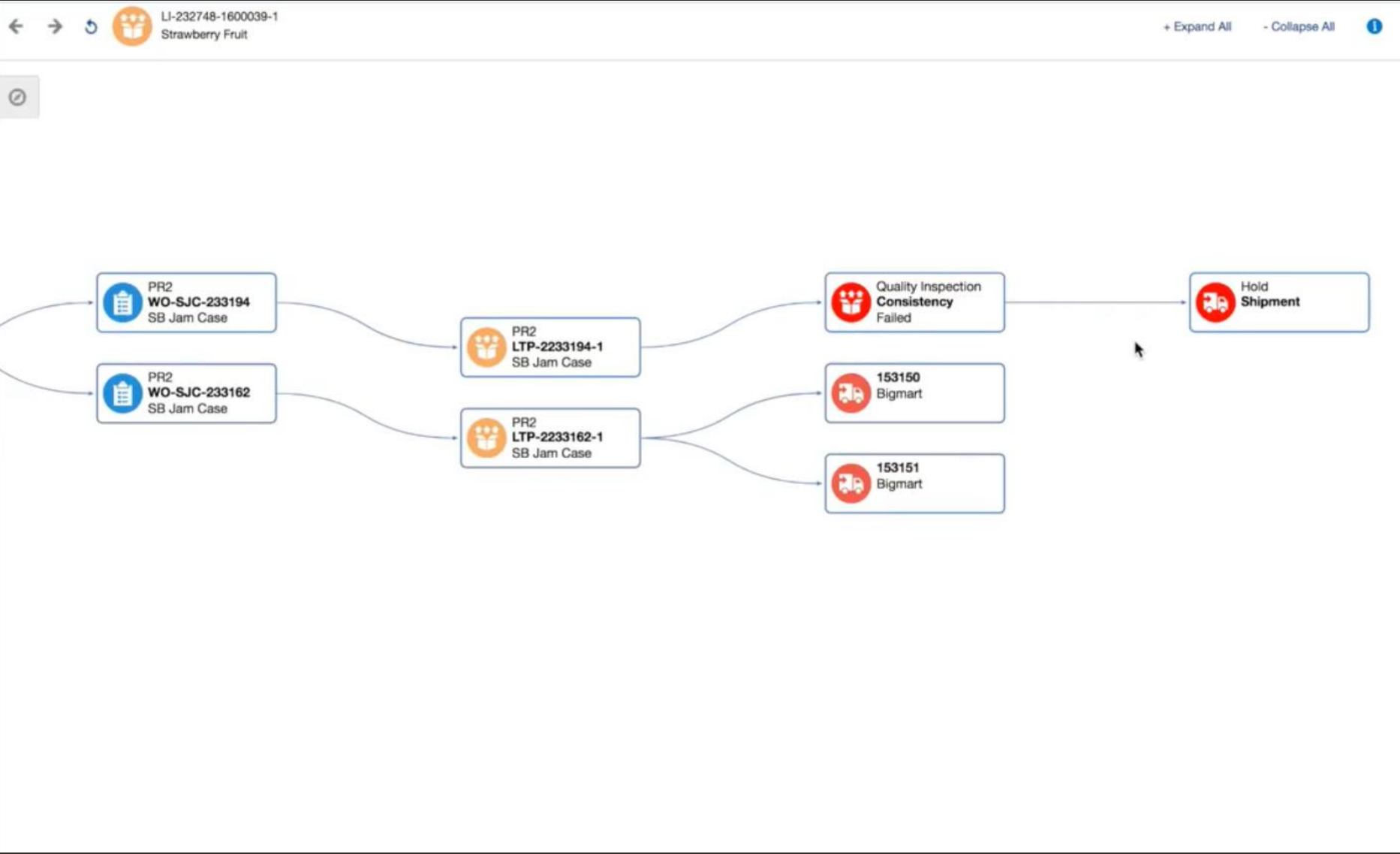
Timeline Viewer

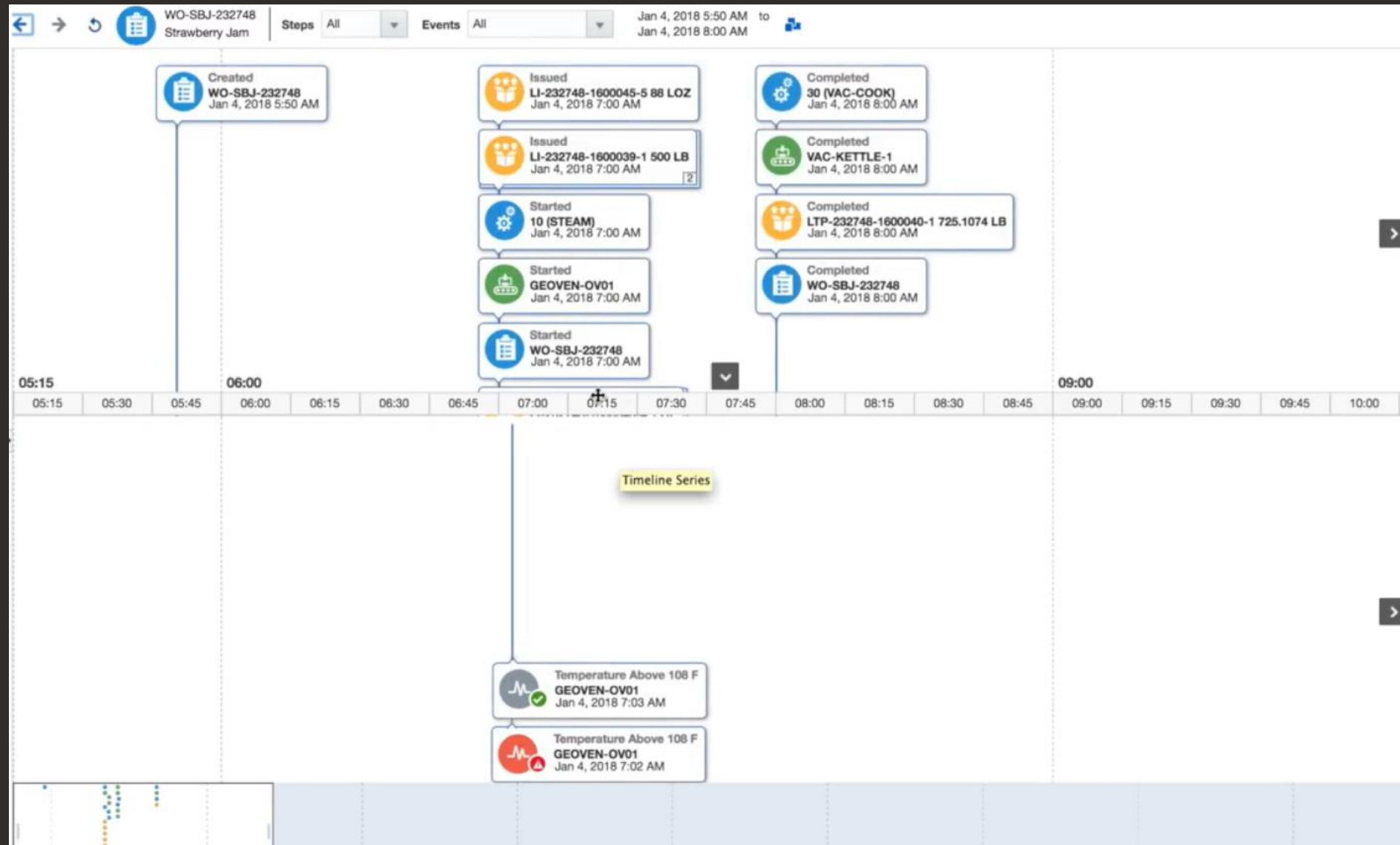
- Work Order
- Equipment
- Serial

Network Viewer

- Purchase Order
- Lot
- Serial
- Work Order
- Sales Order

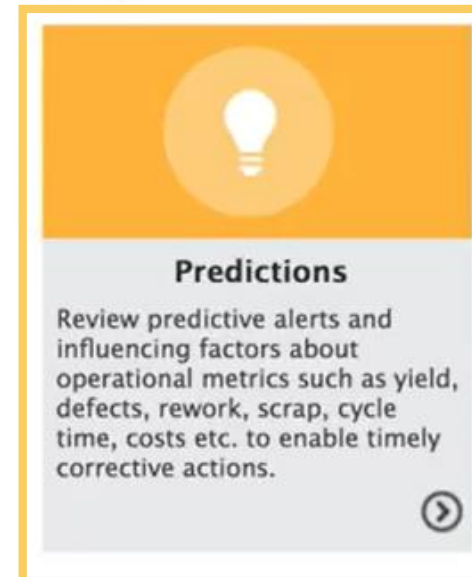






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[Predictions](#)[Confusion Matrix](#)[Modeling](#)[Configuration](#)[< Back to Home Page](#)

Predictive Analysis

Plant
Vision Foods (PR2)

Predictions

Review current predictions affecting manufacturing operational efficiencies.

Quality

22

Total Predictions



3

Prediction Alerts

Yield

10

Total Predictions



4

Prediction Alerts



< Back To Predictions

Plant
Vision Foods (PR2)



Quality Predictions

3
Prediction Alerts

Predictions Summary

11

Work Orders

1

Products

3

Quality Elements

3

Predictive Models

Quality Predictions

22

Total

15

On Target

3

Within Upper Limit

2

Above Upper Limit

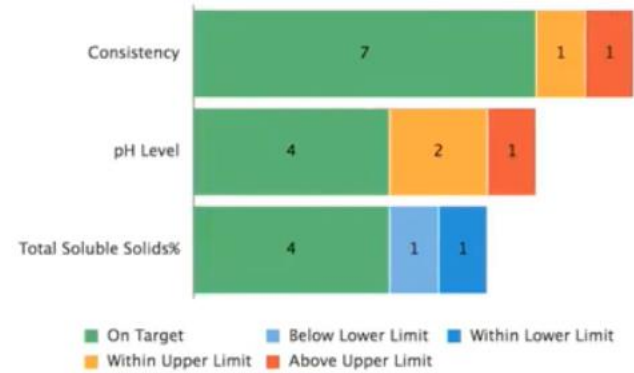
1

Below Lower Limit

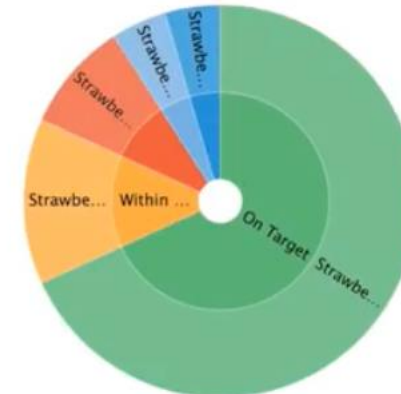
1

Within Lower Limit

Top 3 Quality Element Predictions



Product: Strawberry Jam





Quality Predictions

Enter Search Value



Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20 **1** **1**
Operation (In Progress) Planned (Hours) Completed (Hours)

Total Soluble Solids%
Below Lower Limit



Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20 **0.2** **0.2**
Operation (In Progress) Planned (Hours) Completed (Hours)

Total Soluble Solids%
Within Lower Limit

Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20 **0.2** **0.2**
Operation (Completed) Planned (Hours) Completed (Hours)

Total Soluble Solids%
On Target

Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20 **0.2** **0.2**
Operation (Completed) Planned (Hours) Completed (Hours)

Total Soluble Solids%
On Target

Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20 **0.2** **0.2**

Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20 **0.2** **0.2**

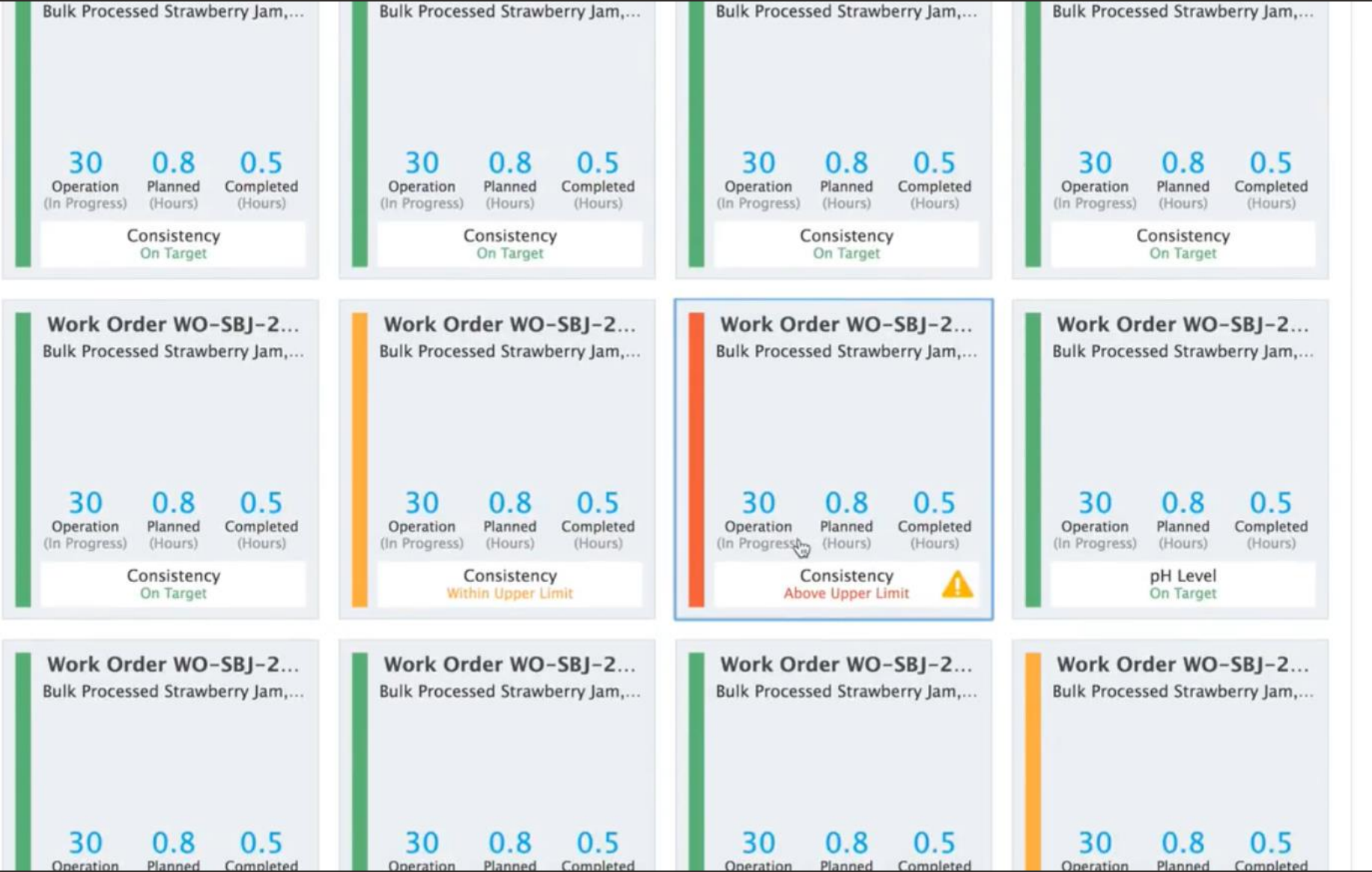
Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20 **0.8** **0.5**

Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20 **0.8** **0.5**





[< Back to Quality Predictions List](#)

Plant
Vision Foods (PR2)



Quality Prediction

Work Order WO-SBJ-233190 Operation 30 (VAC-COOK)

Bulk Processed Strawberry Jam, Strawberry Jam

Classification Probability



Predicted Measure

Consistency

Predicted Classification

Above Upper Limit

Predicted Range 40 - 45 ⚠

Prediction Probability

89.90%

SJConsistencyPR2
Prediction Model

Prediction Timeline



Predictors

Page 1 of 2 (1-3 of 4 items) ⏪ ⏩ 1 2

Manpower



Step

Kettle_Operator
Predictor

James Smith
Value

Rank #1

28.4% ↑

Prediction Influence

Machine



Sensor Summary

Maximum Temperature
Predictor

121 F
Value

Rank #2

22.6% ↑

Prediction Influence

Material



Quantity

ING_ACTUAL
Predictor

451 LB
Value

Rank #3

13.60% ↑

Prediction Influence



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A blue circle containing a white eye icon.

Insights

Explore machine learning driven patterns and correlations from historical manufacturing big data that affect operational efficiencies.

A green circle containing a white icon of a branching tree structure.

Genealogy & Trace

View backward and forward trace of products from disparate operational and informational technology systems spanning manufacturing and supply chain processes.

A red circle containing a white factory silhouette and a dollar sign.

Factory Command Center

360 degree view of operations across manpower, machines, materials, methods, and management.

An orange circle containing a white lightbulb icon.

Predictions

Review predictive alerts and influencing factors about operational metrics such as yield, defects, rework, scrap, cycle time, costs etc. to enable timely corrective actions.



Factory Command Center 7

Prediction Alerts

Plant
Vision Foods (PR2)

Manpower



Operators

- 1 Not Reported
- 2 Job Unassigned
- 1 Not Clocked In
- 0 Skills Mismatch

...

Machine



Equipment

Management



Work Orders

- 3 Start Delayed
- 14 Operation Delayed
- 14 Finish Delayed
- 1 On Hold

...

Material



Items

Method



Exceptions

- 3 Material Exception
- 3 Resource Excepti...
- 2 Processing Excep...
- 2 Quality Exceptions

...



Factory Command Center ⚠ 7

Manpower



Operators

- 1 Not Reported
- 2 Job Unassigned
- 1 Not Clocked In
- 0 Skills Mismatch

...

Predictions

×

Review current predictions affecting manufacturing operational efficiencies.

Quality

22

Total
Predictions



3

Prediction
Alerts

Yield

10

Total
Predictions



4

Prediction
Alerts

Method



Exceptions

- 3 Material Exception
- 3 Resource Excepti...
- 2 Processing Excep...
- 2 Quality Exceptions

...





[< Back to Factory Command Center](#)

Plant
Vision Foods (PR2)



Quality Predictions

Enter Search Value



Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

20
Operation
(In Progress)

1
Planned
(Hours)

1
Completed
(Hours)

Total Soluble Solids%
Below Lower Limit



Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

30
Operation
(In Progress)

0.8
Planned
(Hours)

0.5
Completed
(Hours)

Consistency
Above Upper Limit



Work Order WO-SBJ-2...
Bulk Processed Strawberry Jam,...

30
Operation
(In Progress)

0.8
Planned
(Hours)

0.5
Completed
(Hours)

pH Level
Above Upper Limit





Management

7
With Prediction
Alert

18
Total

3
Start Delayed

14
Operation
Delayed



Work Orders (Current)

Search By Work Order or Product or Customer



Sort By: Work Order ▾



WO-SBJ-230164

Pending

Start Delayed May 6, 2018 12:07...

SBJ006, Strawberry Jam
0 of 1,000 Completed (LB)



WO-SBJ-230165

Pending

Start Delayed May 10, 2018 12:0...

SBJ006, Strawberry Jam
0 of 1,000 Completed (LB)



WO-SBJ-233158

In Progress

Finish Delayed May 9, 2018 12:07...

SBJ006, Strawberry Jam
0 of 1,000 Completed (LB)



WO-SBJ-233159

In Progress

Finish Delayed May 9, 2018 12:07...

SBJ006, Strawberry Jam
0 of 1,000 Completed (LB)



WO-SBJ-233160

In Progress

Finish Delayed May 10, 2018 12:0...

SBJ006, Strawberry Jam
0 of 1,000 Completed (LB)



WO-SBJ-233183

In Progress

Finish Delayed May 10, 2018 12:0...

SBJ006, Strawberry Jam
0 of 1,000 Completed (LB)



WO-SBJ-233184

In Progress

Finish Delayed May 9, 2018 12:07...



WO-SBJ-233185

In Progress

Finish Delayed May 10, 2018 12:0...



WO-SBJ-233186

In Progress

Finish Delayed May 10, 2018 12:0...





Oracle Adaptive Intelligent Apps for Manufacturing



ORACLE
CLOUD



Business Benefits

- **REDUCE** cost, increase margins & profits
- **IMPROVE** product quality, yield & reputation
- **INCREASE** operational efficiency & effectiveness

Achieve Manufacturing Operational Excellence



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WEBINAR | Intelligence Artificielle | Introduction et Décryptage



 24 septembre 2020  Webinar

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Date de l'événement

Début : 24 septembre 2020 à 11h00
Fin : 24 septembre 2020 à 12h00

Intervenants

- Eric VESSIER, Principal Sales Analytics Consultant | ORACLE
- Yohann GARCIA, Vice-Président du Club IDE

