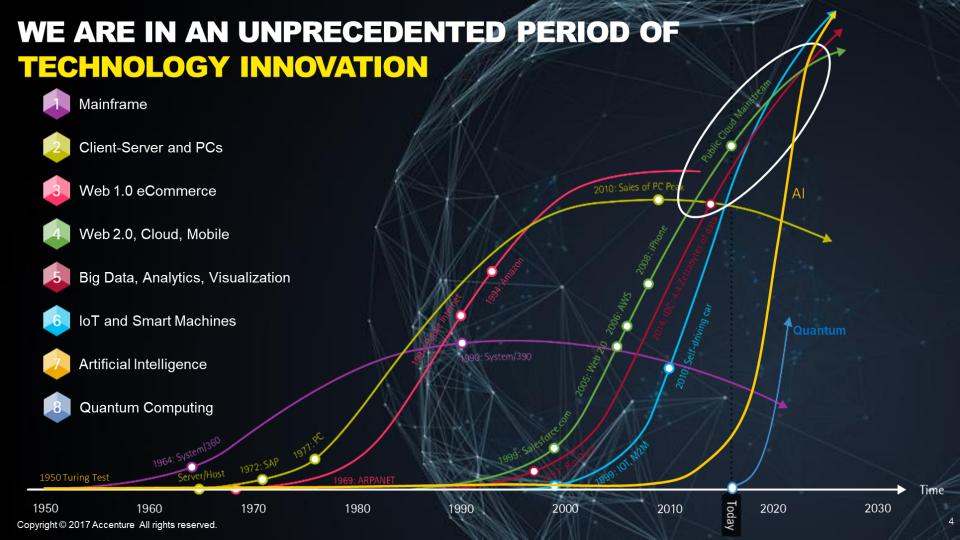




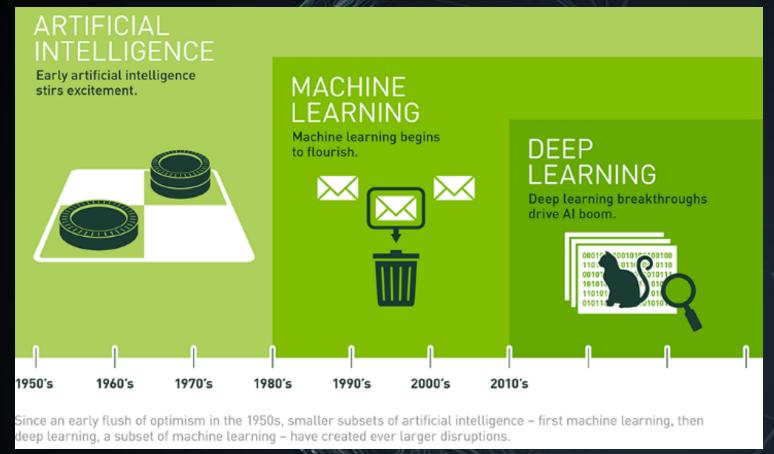
AIE WHERE ARE WE REALLY?



https://www.foxnews.com/tech/nightmare-inducing-robots-are-now-able-to-do-backflips



A SHORT HISTORY OF AI AND MACHINE LEARNING



WHAT NEXT?

2018

75% of developer teams will include
AI functionality in one or more application or service

IDC FutureScapes 2017

2019

40% of digital transformation initiatives **will use AI services**

IDC

2020

85% of customer interactions will be managed without a human

Gartner

2024

Most interfaces will not have a screen, and will be integrated into daily tasks

Accenture

2027

Digital assistants will keep employees productive 24/7/365, operating in the background for workplace interactions

Accenture



APPLYING AI TO DRIVE ENTERPRISE VALUE

AI AFFECTS ALL ASPECTS OF ENTERPRISE STRATEGY – DRIVING SIGNIFICANT AND GAME CHANGING SUSTAINABLE VALUE

Al is a catalyst to all three core and interrelated aspects of Enterprise value and competitiveness





FIVE LEVERS TO CREATE VALUE FROM AI

EACH AI VALUE LEVER DELIVERS SPECIFIC AND TANGIBLE BENEFITS TO THE ENTERPRISE



Cognitive capabilities on top of automation technologies with the following abilities: self learn, autonomous, reactive, and proactive.



Leverage Al capabilities to augment Human intelligence on core Humandriven Processes.



Deliver Superior experience to customers and users based on hyperpersonalization and curation of real-time information.

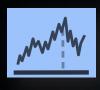


Al is enabling a new class of products and services – applying AI into new and innovative products, services, and new business models.

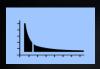


Build trust within the organization through the use of AI (e.g., compliance, transparency) and how AI is used.

AI APPLICATIONS FROM DATA'S POV



Time Series



Long Tail distributions



Complex co-relations

Example Use Cases

Predictive Maintenance

Fraud/Anomaly detection

Recommender system



SMART SERVICE ORCHESTRATION AROUND LIFE EVENTS USING AI

Together with the client, we set up a branded innovation hub.

The new brand and what it stood let us challenge the status quo - a new way to collaborate.

The Hub now has a physical and digital space that invites collaboration within and cross sector. In the future, the hub will work as a catalyst for the rest of the public sector.

COMPLETENTIAL

4 live prototypes from concepts to implementation, created together with the advanced technology skills of our Liquid Studio.

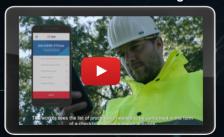
- · Data Driven Leadership
- The Future of Customer Self Service
- Human Centric Journey
- Vital & Living



EXAMPLES FROM ACCENTURE AI IMPLEMENTATIONS

Telecom Italia

Mobile instructions for field engineers





Airbus civil

Quality check (100% precision rate)





On site intervention















ASML

Step-by-step instruction for production



Datacenter support with instructions, coaching and asset checking

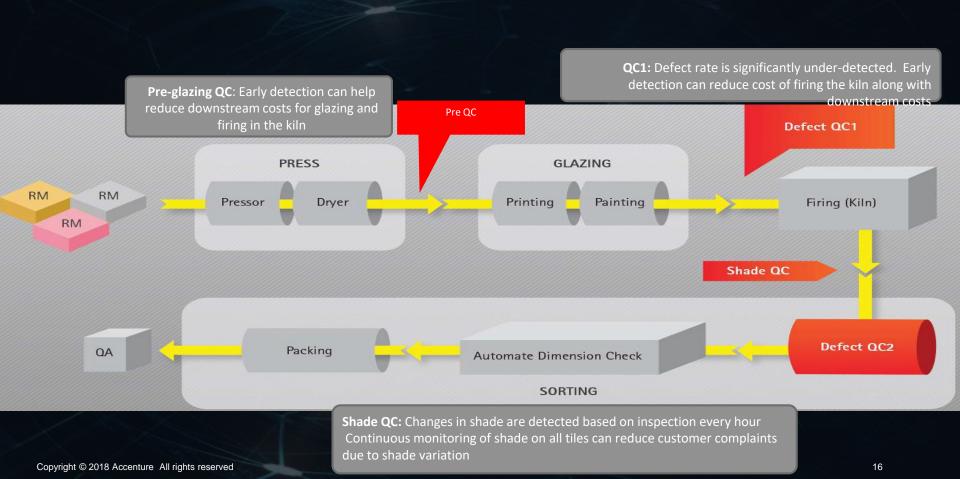
Philips Healthcare

Data live on augmented reality

AI POWERED QUALITY CONTROL - CERAMIC



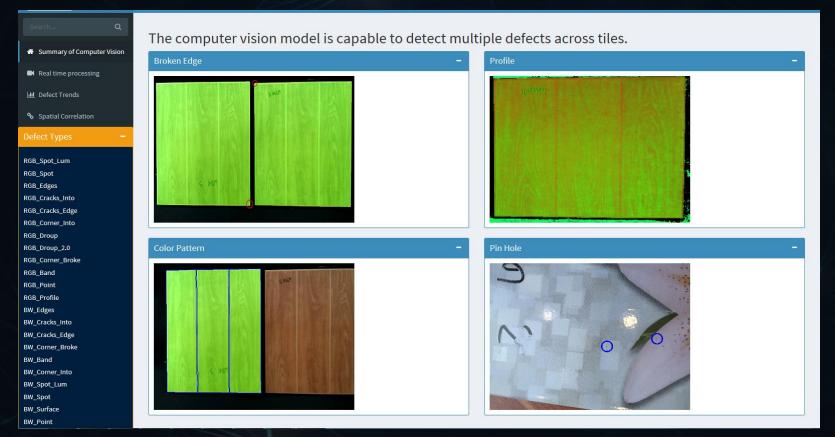
AI POWERED QUALITY CONTROL - CERAMIC



VALUE FROM QC ACROSS THE PROCESS

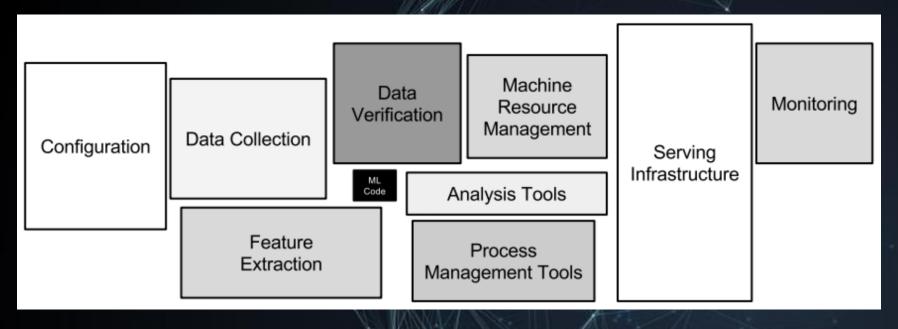
MACHINE VISION A DEFECT ACT IDENTIFICATION **Grade Portion Key Impacting Parameters** Image and Signal processing Based on the machine vision analytics output, the alert 'Identified defect' is triggered **ROC Curve** Defect detection for action to be taken Histogram of Shade Variation **Defect Trends Detect Defects** Analyse & Process Images Acquire Video Load Images & Raise Alerts

AI POWERED QUALITY CONTROL - CERAMIC





AI/ML IS LOT MORE THAN CODE



Source: Hidden Technical Debt in Machine Learning Systems Sculley et. al. Google

KEY TO SCALING AI ADOPTION ENTERPRISE WIDE

AI/ML Vision & Strategy

Assessment & Value Targeting Operating
Model
Design
&
Deployment

Data & Technology Methodology Change
Adoption &
Journey
Management











EXECUTIVE COMMITMENT NEEDED TO BECOME A DATA DRIVEN COMPANY







DATA

Unstructured
Meta Data
External Data
Benchmarking



ANALYTICS

Descriptive to Predictive to Prescriptive AI (Cognitive Learning)



INSIGHTS

Simulation
Live Segmentation
Data Discovery
Game Theory

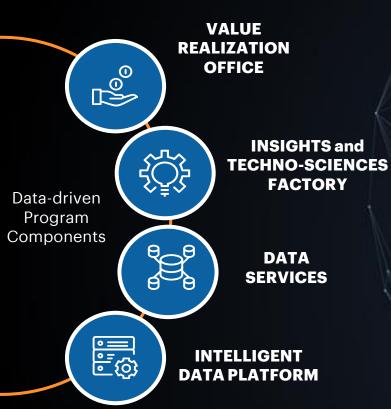


ACTIONS



OUTCOMES

BECOMING A DATA-DRIVEN COMPANY



MAKE A DIFFERENCE AND STAY VALUE FOCUSED:

- Multi-skilled team
- Operative model in the new
- **Embrace Innovation Culture**

"Uber yourself before you get Kodaked"

KEY COMPONENTS TO START FOCUSING ON...



LETS TALK AI PHILOSOPHY

Not "just philosophers":

Prof. Stuart Russel Berkeley CS

Ray Kurzweil, Google

Prof. Nick Bostrom, Oxford

Sam Harris

Elon Musk

Prof. Bair Selman, V. David Chalmers
Cornell CS

Demis Hassabis Google DeepMind

Skype co-c

