



smart**FAB**

Accelerate the impact of smart manufacturing

Problem

Lack of insights costs European manufacturers €600B each year – *McKinsey & Company*

No tools that quickly turn manufacturing data into actionable production insights



Solution

Automated Analytics

uses machine learning and other forms of AI to transform data into insights – quickly and efficiently

Automated Data Storytelling

organizes numbers and narrative into understandable stories

Off-the-shelf software solution

*that helps manufacturers
improve quality and
efficiency*



Automates Data Discovery & Preparation

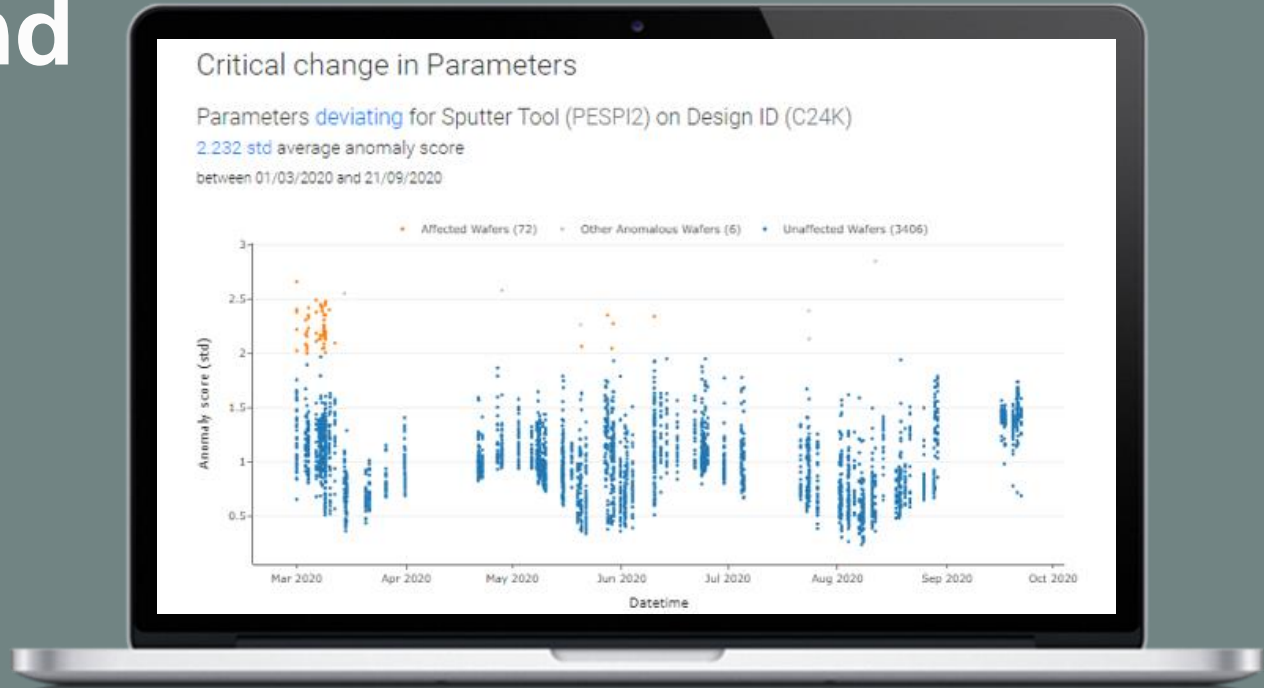


Automates Insight Generation



Automates Analysis

Easy-to-Understand Stories

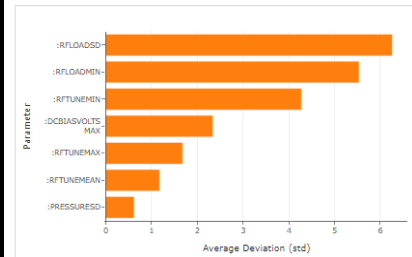


Easy-to-Understand Stories

Chart

Deviation of PESPI6 parameters

Higher values indicate a greater variation



Explanation

This chart shows the deviation of **PESPI6 parameter** highlighting the variation in **Date** (01/03/2020 to 18/12/2020)

- :RFLOADSD is the PESPI6 parameter with the highest deviation (6.263)
- :RFLOADMIN is the PESPI6 parameter with the second highest deviation (5.536)
- The top 2 PESPI6 parameters (:RFLOADSD, :RFLOADMIN) combine to represent 53.86% of total deviation

Distribution of :RFLOADSD

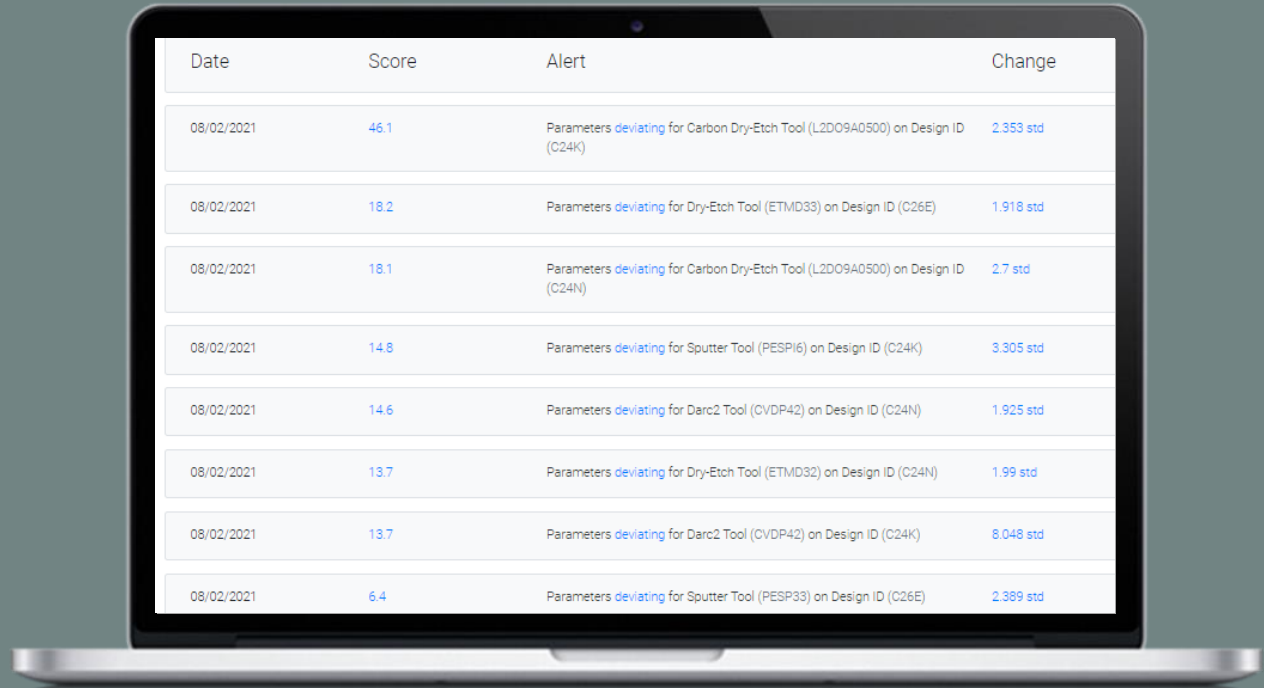
Impact on Wafers



This chart shows the distribution in **:RFLOADSD** highlighting the impact on Wafers in **Date** (01/03/2020 to 18/12/2020)

- 99.27% of affected wafers occur when :RFLOADSD is between 421 and 1,000
- 99.27% of affected wafers occur after maintenance events on 2020-03-05.

Ranked on Impact



Date	Score	Alert	Change
08/02/2021	46.1	Parameters <i>deviating</i> for Carbon Dry-Etch Tool (L2DO9A0500) on Design ID (C24K)	2.353 std
08/02/2021	18.2	Parameters <i>deviating</i> for Dry-Etch Tool (ETMD33) on Design ID (C26E)	1.918 std
08/02/2021	18.1	Parameters <i>deviating</i> for Carbon Dry-Etch Tool (L2DO9A0500) on Design ID (C24N)	2.7 std
08/02/2021	14.8	Parameters <i>deviating</i> for Sputter Tool (PESPI6) on Design ID (C24K)	3.305 std
08/02/2021	14.6	Parameters <i>deviating</i> for Darc2 Tool (CVDP42) on Design ID (C24N)	1.925 std
08/02/2021	13.7	Parameters <i>deviating</i> for Dry-Etch Tool (ETMD32) on Design ID (C24N)	1.99 std
08/02/2021	13.7	Parameters <i>deviating</i> for Darc2 Tool (CVDP42) on Design ID (C24K)	8.048 std
08/02/2021	6.4	Parameters <i>deviating</i> for Sputter Tool (PESP33) on Design ID (C26E)	2.389 std

smart**FAB** in 3 simple steps:



1

CONNECT

Integrates with everything



2

SHARE

Learns from shop floor engineers



3

ACT

Get actionable insights

Customer Benefit



-80%

Time-to-Insights

-30%

Waste

+20%

Efficiency

Business Model

Subscriptions to paid tiers

Low churn rate

Paying Customers



Shop Floor Engineers

ARR

projected in 2023

Market Adoption

DIRECT

Data-driven manufacturers with complex production in low margin industries and €100-€300M in annual revenue

Direct Customer Feedback
Increased Control
Higher Revenue

PARTNERSHIPS

Manufacturing Systems, Software & Platforms

BI & AI Solutions

Consulting Companies

Growth Hack
Shorter Sales Cycle
Lower Cost

Traction

USE CASES

- Completed 4 POCs: book printing, semiconductor, auto components, and food processing manufacturers.
- Paid pilot with a semiconductor manufacturer to deploy onsite in December 2020.

PARTNERSHIPS

- Partnership with Italian IoT Platform and global consulting company.
- Advanced negotiations with a second global consulting companies and two manufacturing software companies.

Founding Team



ANN LOCICERO

Co-Founder & CEO

+12 years Capital Markets
& Asset Management
+5 years Manufacturing



ANTONIO INGARGIOLA

Co-Founder & CTO

PhD Electrical Engineering
10+ years Computational
Modeling & Data Analytics

Sergio Galbiati, Advisor - Retired Chairman LFoundry // Antonio Conati Barbaro, Advisor - Co-founder & COO Alleantia // Daniele Meini, Advisor - Partner New Ventures, PWC

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Thank You

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