WHAT IS OUR CONNECTED PRODUCTION PLATFORM?

Leverage the latest technology platforms to #connect #deploy, & #go

Our Connected Production Platform provides manufacturers/producers with Hyper-Converged Analytic required for a Next Generation Intelligent Digital Plant, along with a Blueprint which processes source data, applies predefined machine learning models, and includes advanced analytics, all in support of predicting process performance metrics such as Process Capability Indices (Cpk's), utilizing Six Sigma Methodology.

WHY THE CONNECTED PRODUCTION PLATFORM

Access to Data to Monitor Live Performance Across the Entire Plant Value Stream (Incoming Supply, Processing & Manufacturing, Product Final Quality/Production Metrics, Distribution & The Customer), is often difficult to obtain and connect. Our Platform does just this!

Integrated Intelligence & Analytics Across the Value Chain
Key questions are:
- o What are the most important variables that impact your processes?
- o Which ones should we measure and monitor?
- o What are the defining characteristics of the manufacturing process that cause scrap and rework?

Our Connected Production Platform navigates each aspect, so issues are addressed immediately, using tried and tested Continuous Improvement Methodology - Six Sigma.
Great Tools driven by a Winning Methodology-
- o It forces businesses to focus on the customer
- o Provides a clear, structured methodology
- o Data driven decision making
- o All employees can "speak the same language"
- o Reduce variation → reduce defects, costs
- o Produces effective, well informed leaders

Our Blueprint provides a suite of tools for quick Analysis and Action. Quickly identify the few important factors from the many Opportunities for cost savings include:
- o better investment by monitoring and control of the RIGHT parameters
- o improved management of raw materials and suppliers by defining
- o inputs that are critical to finished product quality

HOW DOES IT ALL FIT TOGETHER

Our platform includes Predefined Dashboards for data exploration and comparisons providing deeper insight into the manufacturing process performance data enabling you to quickly identify and drill into process areas requiring attention.

It furthermore includes Embedded Advanced Analytics Algorithms, to allow Quick Modelling of Issues to understand and explain how these are arising, Models for Continuous Improvement working with Quick Experimental Designs for Analyzing What-If Scenarios for immediate intervention and many more.

Seamless integration between Dashboards and the Advanced Analytics Modelling Tools allows for quick and easy turnaround in driving a process back to expected performance.
A Pre-designed, Connected Platform to show Capabilities of All Areas of Production in Real Time at any moment.

- Data discovery and point & click actionable insights
- Data Science Models, tried and tested by our Data Scientists for Analysing and Visualizing data
- Automated output in real time or batch mode
- Hyperconverged Analytics for seamless data science, visual analytics and streaming of data

TECHNOLOGY INCLUDED IN THIS PLATFORM

- TIBCO Spotfire (Includes Spotfire Server, Automation Server, Statistics Server)
- TIBCO Streaming
- TIBCO Data Virtualization
- TIBCO Data Science - Workbench and Server

*May be hosted on AWS or Azure or run on premises in your own data enter.

WHO ARE WE - THE DATA-SHACK & GENWARE COMPUTER SYSTEMS

The Data-Shack and Genware Computer Systems forms part of a group of sister companies comprising of Data Shack UK, Data Shack SA-Middle East, Data Shack Asia [CEO - ANNI TONER], and Genware Computer Systems [PRESIDENT - SHERLOCK HOLMES]. The GENWARE-SHACK is a joint venture between The Data Shack UK and Genware Computer systems with Operations in Europe, Africa, the Americas, and Asia, and Offices in South Africa, UK, Hong Kong, Taiwan, New Jersey (USA), St. Augustine, FL and Uruguay.

We are trusted advisors in the Digital Transformation Journeys of our customers.

DATA-SHACK
www.data-shack.co.za

GENWARE COMPUTER SYSTEMS Inc
www.genwarecs.com