Transformational **Intelligence** for **Manufacturers**

As the leader in Transformational Intelligence for Manufacturers, ThinkIQ contextualizes data—both in-plant and across your supply chain—to deliver **Smart Manufacturing** that **improves yield**, **safety**, **quality**, and **compliance**.

Smart Manufacturers have a complete overview of all manufacturing operations. **Changes** in any variable **are intelligently linked** to both actual and predictive outcomes.

The platform is designed to create Smart Manufacturing enterprises—where you can **make sense of the data**, surfacing actions that enhance safety, reliability, and efficiency.

The Situation

Modern manufacturing offers an **endless, overwhelming data stream**. With current technologies, though, it is **nearly impossible to understand** it. The effects of different raw material suppliers, their pricing, ingredients,

growing weather patterns, storage temperatures & humidity, and more, are **lost in the data stream**.

Meet ThinkIQ. Our Transformational Intelligence (TI) goes **beyond analytics** to reveal **how changes anywhere in your process impact the final product**—and your KPIs.

The ThinkIQ platform has already helped create the **ideal shape** for cost-effective **onion rings**, **thwarted a potential recall** due to a broken-down truck, and saved an already-efficient global manufacturer **tens of millions of dollars** by surfacing relatively minor changes.

This new way of manufacturing is so **revolutionary**, it's considered the **Fourth Industrial Revolution** (**Industry 4.0**), aka *Smart Manufacturing*.

Transformational Intelligence

ThinkIQ—privately held and headquartered in Southern California—takes manufacturing businesses through **the five steps** needed to reach **fully automated Smart Manufacturing status**.

Each stage offers **valuable improvements to manufacturers**. Taken together, though, they create a **true transformation**.

The 5 Steps to Smart Manufacturing

1

Data Capture Collect data — all data, from IoT and IIoT devices, to HMIs, PLCs, ERPs, your CRM, and even manual data captures.

2

Visualization & Integration Bring standardized metrics and views, bringing wide visibility and context to the data.

3

Material-Centric Insight Use AI and ML to correlate data. Enable a material-centric view with advanced visualizations of your line (including supply chain), cause & effect, benchmarking, and cross-plant KPIs.

4

Transformational Intelligence Utilize all of the prior efforts to supply transformational intelligence to manufacturing. ML uncovers root causes and effects. Data points from suppliers through customers are related to your KPIs.

5

Smart Manufacturing Technology and manufacturing combine. Your process includes traceability — from raw materials to product delivery — optimized supply chains, and transparent, realtime contextualized data. The results are revolutionary, establishing users as market leaders.

ThinkIQ

Platform Solutions

ThinkIQ **transforms companies** from using **raw data to Industry 4.0 Smart Manufacturing**. Our product offering is **aligned** with the five steps required to reach Industry 4.0 Manufacturing status.

ThinkIQ Visualize™ takes your existing data stream and brings on-premise gateways & connectors to centralize the data.

You'll be able to see a view of **all your data on one screen**, and at **multiple locations**.

With cause & effect knowledge, ThinkIQ can quickly spot operational anomalies and surface opportunities for improvement.

Your data is **correlated to your most important metrics**. From plant manager to CEO, you'll have an **instant, intelligent view of operations**—one which stretches from the **beginning of the supply chain through your plant** and beyond.

ThinkIQ Autonomy™

ThinkIQ Autonomy™ offers the ongoing benefits of Industry 4.0 manufacturing.

Manufacturing process will now include **traceability from raw materials to product delivery**, as well as **optimized supply chains** and **realtime contextualized data**.

All of your data—from supply chain to customer—is available to plant managers, CFOs, COOs, and the CEO. This is **truly transformative intelligence**, and creates a **Smart Manufacturing company** that is more **profitable** and more **competitive**.

ThinkIQ Vision™

ThinkIQ Vision™ gives managers real-time reporting on critical activities and events.

With **ThinkIQ Vision**, decision-makers are fed continuous actionable intelligence, enabling them to take immediate action to correct operational issues and keep production running at target capacities. The data is based on machine vision that automatically turns the streams from standard IP cameras into business information.

ThinkIQ Visualize™

ThinkIQ Visualize™ moves companies **past raw data** to being able to **explore, compare**, and **be aware** of the data—with standardized metrics and views to bring wide visibility and context to data.

ThinkIQ Insight™

ThinkIQ Insight™ uses advanced AI and ML to **enable a material-centric view of operations**.

Deliverables include **advanced visualizations**, initial **cause & effect identification**, industry **bench-marking**, and cross-plant **KPIs**.

Alerts and notifications **bring problems to immediate attention, mitigation of recall risks**, and potential **yield improvements**. You'll have a **material-centric view of operations**, with insights unable to be seen earlier.

ThinkIQ Transform™

ThinkIQ Transform™ utilizes the results of the earlier steps to **supply transformational intelligence** and **uncover root causes and effects**.

It's Time to Transform Your Data

The path to Smart Manufacturing is different for every enterprise, but the steps are the same—towards **modern, optimized manufacturing**.

ThinkIQ's platform **delivers actionable insights that transform manufacturing**. We've **transformed production** at General Mills, McCain, Corning and Mars. We're ready to transform yours. **ThinkIQ.com**