Streamline360

AI POWERED OPERATIONAL INTELLIGENCE

Hello, nice to meet you!

(20th – 21st November 2025, Barcelona, Spain)

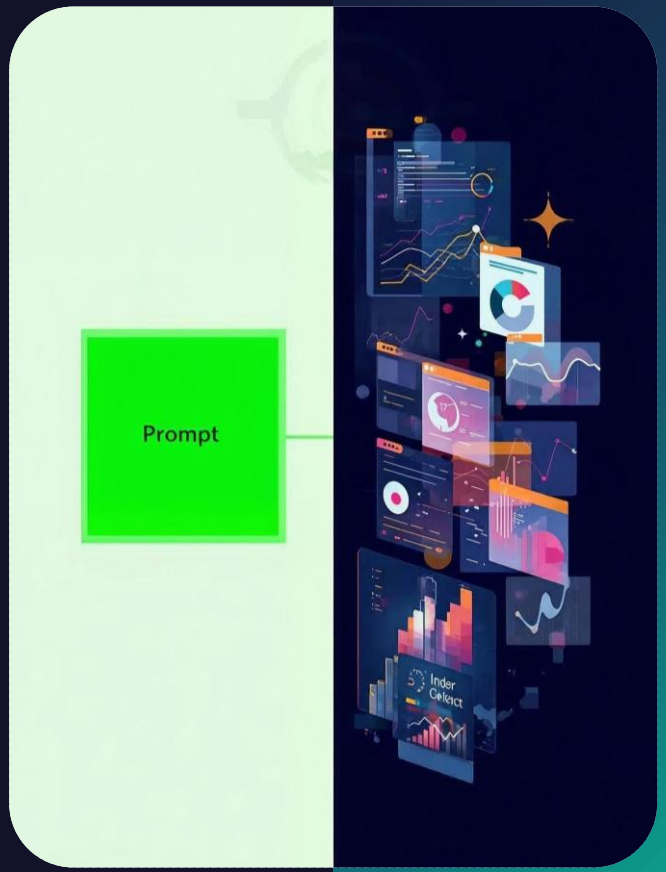
Today's Agenda

01 LLM in Manufacturing-Introduction

02 Why Streamline360 Works

03 Streamline360 Overview

04 Demo & Applications



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LLM's in Manufacturing

Your Fastest Route to Insights

LLM's can bring tremendous value to manufacturing understands as they can understand human languages

01 **Prompt**
Ask questions in natural language

02 **Context**
Apply manufacturing semantics

03 **Dashboard**
Visualize results instantly

04 **Insights**
Drive operational decisions

Manufacturing Teams Want LLMs But They Quickly Discover the Reality!

No Practical Use Cases

Generic AI demos don't translate to real production environments or plant-floor problems.

No Data Understanding

LLMs are blind to manufacturing data structures, tags, signals, and operational relationships.

No Meaningful Answers

Operational questions return vague or irrelevant responses because context is missing.

No System Connectivity

LLMs can't interact with SCADA, MES, ERP, historians, or OT/IT systems on their own.

LLM deployments in factories are present today

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Core Problem: Data Exists, Context Doesn't!

Local Rules

Site-specific logic not captured anywhere centrally.

Standard Operating Procedures

Rules and specs buried inside documents.

Excel Spreadsheets

Tribal knowledge locked in personal files.

Engineers' Knowledge

Critical process understanding stored in people's heads.

Tribal Knowledge

Informal know-how and experience that isn't documented anywhere.

Process Documentation

Equipment and process details spread across manuals.

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Teams Need LLM's That Actually Understands Their Plant

01
Plant Understanding
Grasps your plant's terminology and context.

02
Factory Semantics
Applies your site's rules and logic.

03
System Correlation
Connects insights across all systems.

04
Key Insights
Gives Insights into the the KPIs

05
Give RCA
Enables natural, conversational about finding RCA

Why Streamline360 Is Your Fastest Route to Insights?

Context-First Approach

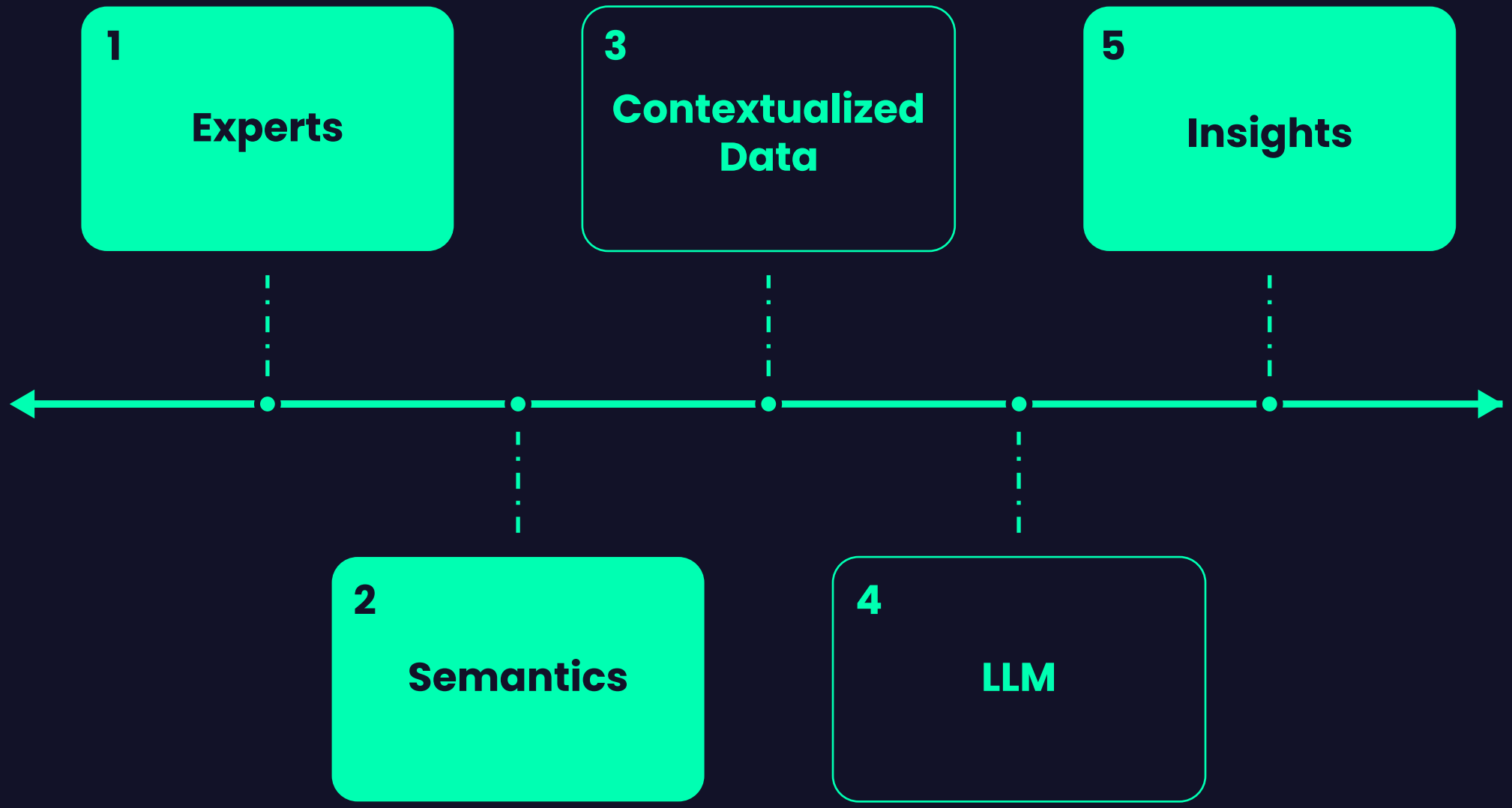
We focus on understanding and applying manufacturing context before visualization. This ensures insights are accurate, actionable, and grounded in your plant reality.

Domain Expertise & Contextualization

Our deep manufacturing knowledge captures expert rules, SOPs, and plant logic, making AI aware of real-world operations.

Fewer hallucinations, more reliable insights, and faster, confident operational decisions!

The Complete Flow



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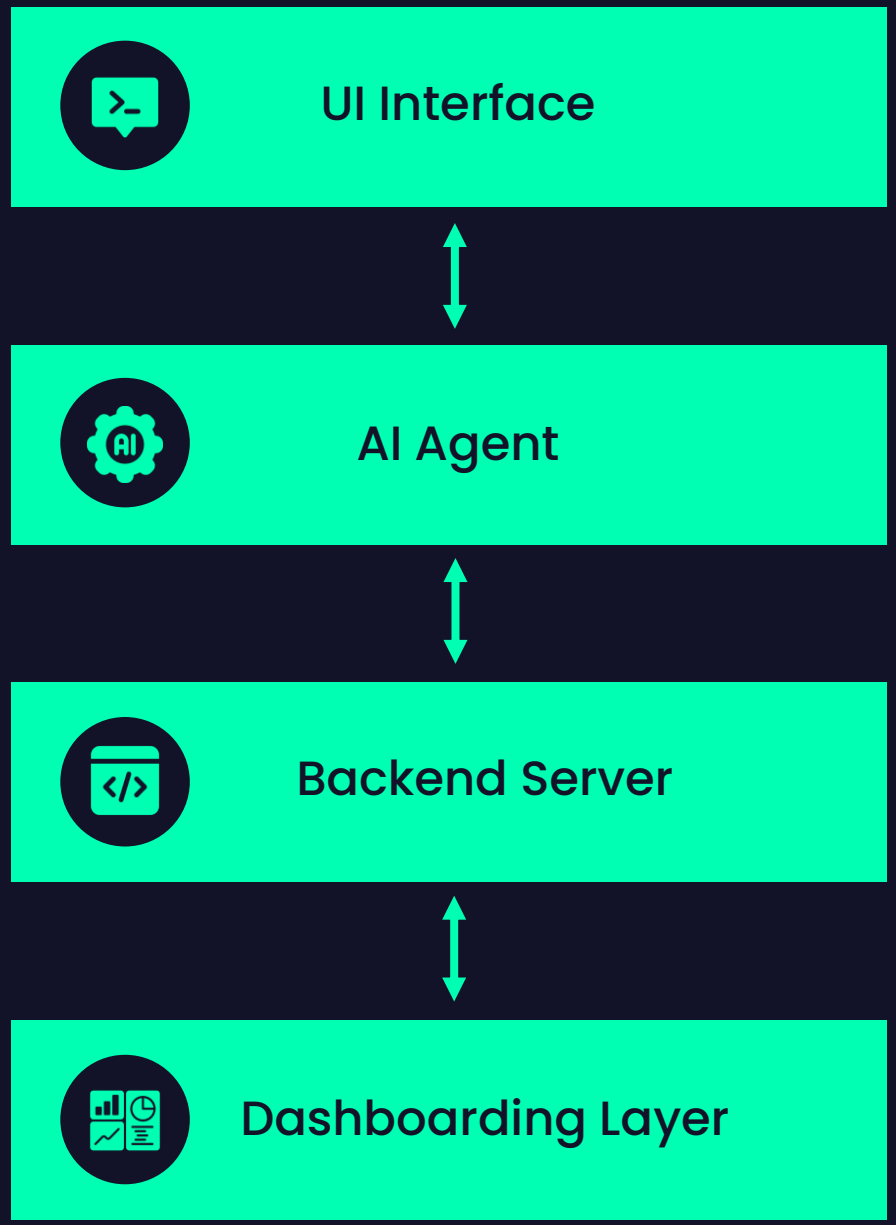
High-Level Architecture



Your First Step Is the Only Step to Get Insights!

What Streamline360 Does Here?

1. Understands Boiler-1 and alarm tags associated with it
2. Asks user for confirmation about the tags
3. Calculates which were the highest alarms by count
4. Generates a clear dashboard instantly

Visualize Insights

01

Streamline360 generates a contextual dashboard instantly from your plant data.

- Visualizes key metrics and trends at a glance.
- Applies site-specific rules and combines data across systems.

02

Ask questions directly based on the dashboard to get actionable insights.

Possible Applications in Manufacturing

1. Alarm Management
2. Downtime Analysis
3. Batch Comparisons
4. Quality Investigations
5. Parameter Drift Detection
6. Shift Performance Monitoring
7. Energy Optimization
8. Predictive Maintenance
9. Process Optimization
10. Operator Performance Insights

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CONTACT US

Get In Touch

Reach out to us today to see how Streamline360 can turn your manufacturing data into actionable insights and drive smarter operational decisions.

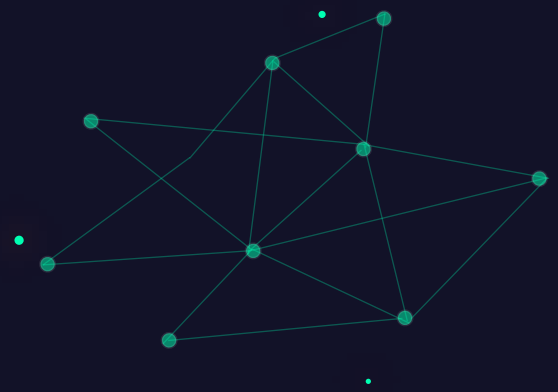
sales@streamline360.ai

https://streamline360.ai/

Thank You

For Your Attention

See you soon..



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