

Plant Information Management System Integration

Providing the core of your MES/MOM solution using PI AF and Event Frames

At-A-Glance

Solution Type

MES, MOM, OEE, Manufacturing
Traceability, Data aggregation

Regions Available

- › North America

Industries

- › Food & Beverage
- › Life Sciences
- › Specialty Chemical
- › Discrete Manufacturing

Features & Benefits

- › Requirements through implementation in a defined process.
- › Decrease the cost of your MES solution by using software that you already own
- › Use commercial off-the-shelf software for MES only where absolutely necessary

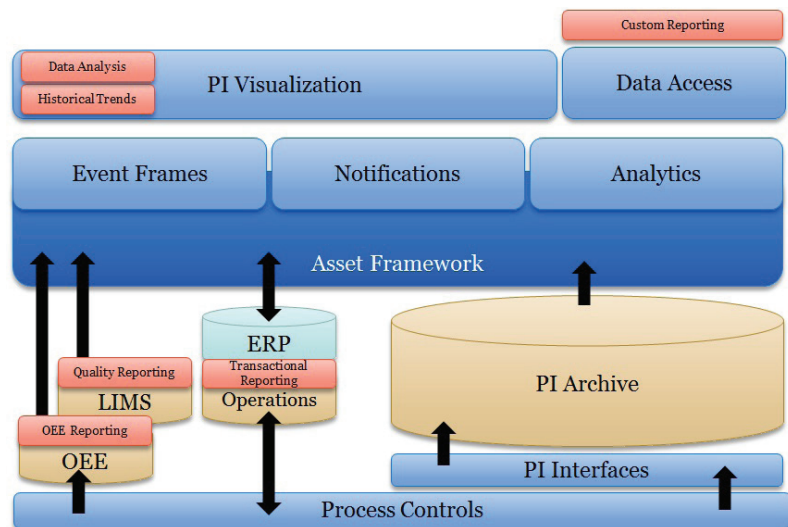
Implementation Requirements

- › PI System
- › Asset Framework (AF)
- › Event Frames
- › PSA Server

BUSINESS CHALLENGES

At the core of any MES/MOM initiative there are two primary challenges; business needs definition and technology selection. MES systems are essentially event capture and generation engines. However, the problem is that MES software is typically built for a specific purpose and then productized and sold outside of its intended use case. Because every platform has its own methodology for implementation, end users are often burdened with fitting their process to their MES software rather than the software adapting to the needs of their manufacturing process.

Stone Technologies addresses these challenges by implementing a Plant Information Management System (PIMS). PIMS uses the PI System, including Asset Framework (AF) and Event Frames, to ensure that the “base layer” for data acquisition and aggregation is properly defined and constructed, minimizing the need for large MES applications.



BUSINESS IMPACTS

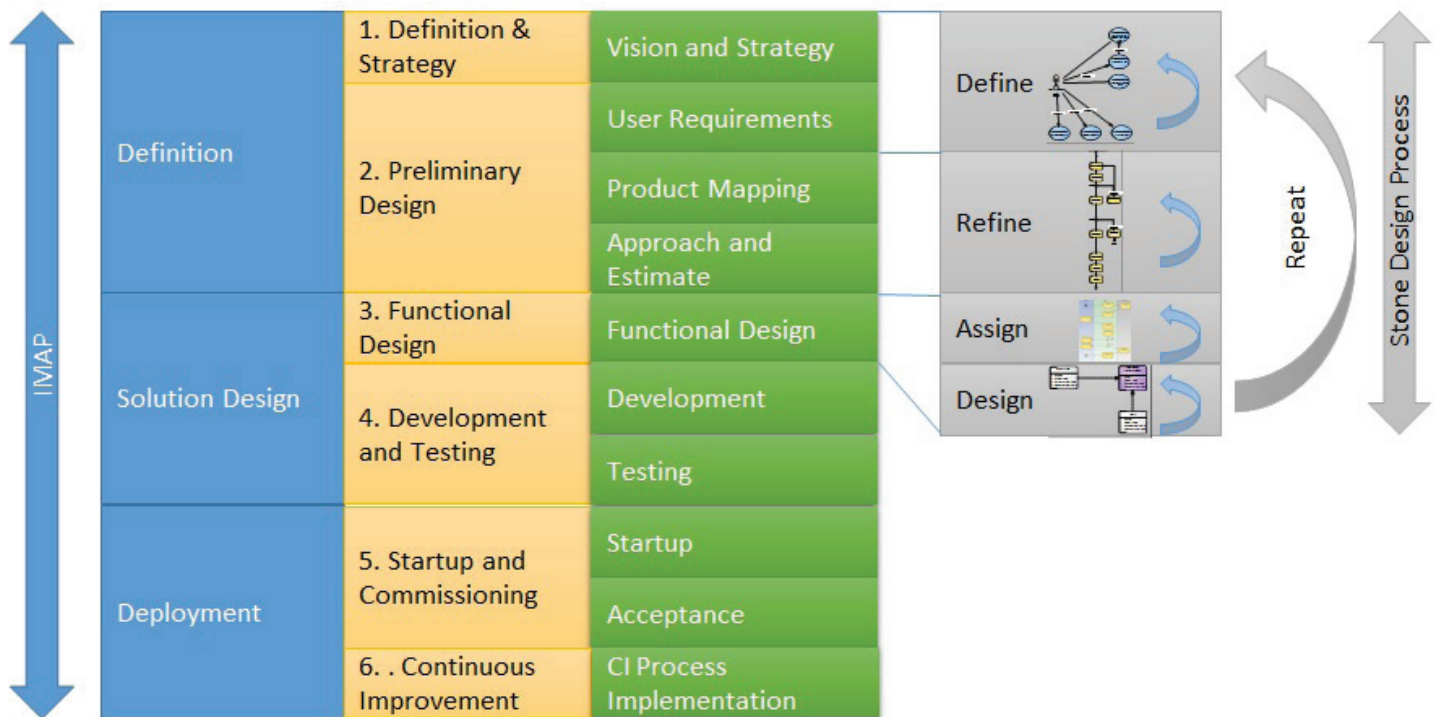
By using the PI System with Asset Framework (AF) and Event Frames as the central point for data flow in an organization:

1. The need for a large-scale MES is minimized or removed, simplifying the software stack and reducing implementation costs, now and in the future.
2. The PIMS becomes the source of “truth” for all data acquisition, and true collaboration can be achieved because all departments get their data from the same place.
3. “Silos” of information are either removed or consolidated via the PIMS.

SOLUTION APPROACH

By using an iterative design process, called IMAP, to define requirements and then translating those requirements to a functional design and implementation of the PIMS, we ensure that all deliverables map directly to a business need. By getting the input of all functional groups that have a stake in the business, we ensure that a single solution set is delivered for each requirement, resulting in a data acquisition and aggregation system that the organization will use as the real-time decision making data set for the organization.

The image below shows the IMAP process:



ABOUT THE PARTNER ECOSPHERE

The OSIsoft Partner EcoSphere provides a collection of third-party services, applications, and technology to help customers maximize the value of the PI System.

Explore more solutions and the OSIsoft Partner EcoSphere at partners.osisoft.com.

FOR MORE INFORMATION

For more information on how to start developing your requirements and translating them into a well built PIMS, contact Keith Bouvier at Stone Technologies:

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