Meeting the Challenges of Tangible Transformation

IpX - Institute for Process Excellence
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PLM Road Map North America 2018
Charting the Course to PLM Value Together
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We cannot solve our problems with the same thinking we used when we created them.

- Albert Einstein
Core business processes and their enabling systems represent the major organizational activities and functions used to perform work and conduct business.

These instances of conflict or redundancy will have a negative impact on the operational efficiency of an enterprise.
Defects do not need to be an accepted norm...

Companies have sunk millions into the "new" digital wave and yet they are still releasing products with issues.

In order to achieve successful transformation and reduce complexity, businesses must improve their culture and reshape legacy business processes and systems.

“We tried sweeping it all under the rug, but the office is all tiled.”
The foundational element is an autonomous and adaptive enterprise of people, processes, and products that operate cohesively within an integrated business model.
The Future State

Platforms that allow digital organizations to move across industry are destroying the traditional silo centric business models.

Process and device will be inseparable; physical things become part of the enterprise process.
A common sense enterprise approach to the “new” digital revolution has the potential to open new markets and allow companies the ability to utilize information in new ways.

Collecting the data is not enough – you must be able to do something with it.

Collected – Connected – Stored – Analyzed - Utilized
People, Processes, Data, & Enabling Solutions

Functional competencies must come together in order to recognize the full potential and opportunity for digital transformation.

- **Big Data** – Rise in data volumes, computational power, and connectivity.
- **Tangible Analytics** – Integrated and functional analytics, knowledge management, and business-intelligence capabilities.
- **AI & AR** – Rapid advancement in human to machine connectivity such as augmented-reality systems.
- **Digital Capability** – Integration of digital thread and twin and the influence on advanced robotics.
Global Enterprise Connected Core

There will no longer be a difference between information and material because products will be dynamically linked to their application and supporting information.

“Implementation of the CM2 Baseline and Closed-Loop process is the foundation for the control and delivery of product information in a consistent manner that will allow for the incorporation of Industry 4.0 principles across all business groups.”

– Greg Russ, Executive Director for Cummins
Your enterprise will have the ability to reach a nearly limitless customer base, produce amazing levels of service, and benefit from integrated supply lines.

A future where your organization offers the largest portfolio, fastest delivery time, and greatest customer experience.
At the 2015 IpX annual symposium, leaders from Aviation, Automotive, Healthcare, Energy, Consumer Products and Technology came together to create a cross functional industry forum to benchmark industry best practices and provide a resource to the community.

“Successful implementation of the IpX CM2 Baseline and Closed-Loop change process is prerequisite to achieve the end-to-end configuration traceability driven by the needs of the model based design and the digitalization of the enterprise”

– Max Gravel, CM2-P
Leading the Transformation Journey for Business 4.0

CM2-Certifications & Services

Aptiv/Delphi – 1225
Boeing – 992
Hewlett Packard – 391
Bombardier – 380
Baxter – 380
Apple – 151
Cummins – 150
Over 1800 companies have already chosen

Now the choice is yours