Cannexa Collaboration Platform

Enabling Global Supply Base Collaboration and Risk Management

Situation:

All Original Equipment Manufacturers (OEM) across various industries, such as Automotive, Aerospace, and High Tech, are experiencing significant business challenges caused by:

- Increasing product complexity
- Increasing process complexity
- Faster pace of new product introduction
- Increasing complexity and diversity of the supply base
- Increasing regulatory and compliance requirements
- Higher levels of product integration with content and connectivity options (Internet of Things).
- Growing reliance on suppliers for new technologies and innovation
- Increasing rate of information growth throughout the ecosystem
- Growing diversity of markets and customer expectations

OEMs and their supply bases are under continuous and increasing pressure to meet these challenges. To do so, they must collaborate much more closely and build greater visibility throughout all phases of product development, product launch, mass production, and customer support. The issues are well understood and confirmed by stakeholders. However, there are currently no effective solutions for supporting the much-needed collaboration throughout these complex, global manufacturing ecosystems.

There have been various attempts over the last decade to support such collaboration requirements, but they have been limited in scope, delivering insufficient business value, or simply addressed a few symptoms rather than focusing on the underlying business needs. None of the approaches and methods, or any combination of them, have been sufficient for supporting the large supply base collaboration, integration, visibility, and risk management requirements.

Implications:

These large manufacturing ecosystems are experiencing ever increasing risk factors without effective tools to mange them.

The increasing complexities are resulting in growing risk factors for all global manufacturing enterprises. The lack of effective solutions to support collaboration and visibility throughout the supply base (OEM-T1-Tn) is leaving these companies very exposed to greater risk of business disruptions and negative impact to their businesses in areas such as, but not limited to:

- New product introduction delays leading to loss of market opportunity
- Product launch problems resulting in product quality problems and increased costs
- Increased product defects and safety issues, resulting in product liabilities
- Increased operational costs and margin erosion throughout the supply base
- Loss of productivity and impact on employees throughout the supply base
- And, loss of customer confidence and damage to the brand

Current State:

The most prevalent mode of collaboration today is people-to-people communication through meetings, phone calls, emails, fax; and the capture, management, reporting and exchange of critical information using Excel documents. Unfortunately, this is extremely inadequate and inefficient. There is an urgent need for a better approach and solution to enable real integration and true collaboration to drive business alignment and convergence, and to allow large manufacturing ecosystems better mange their supply base risks. It is imperative that OEMs and their suppliers, at all tiers, are able to collaborate closely during all phases of the product lifecycle in order to meet their business objectives, manage risks and exceed customer expectation.

Future State:

The Cannexa Collaboration Platform (CCP) is an innovative solution designed to address these business challenges and objectives. CCP allows companies to support extensive integration and collaboration requirements for their complex, global supply base through a secure platform. CCP offers business-focused features and capabilities, which can be configured to fit the specific and unique requirements of each supply base. Each implementation follows a unique transformation roadmap designed specifically for a particular OEM and its supply base. CCP allows companies to manage risks and achieve results through rapid and iterative implementation cycles at minimum cost and effort.