



# Anark Corporation

Leading provider of technical content management and visual collaboration software and solutions

**Empowering Digital Transformation** within Aerospace, Energy, High Tech, Automotive, Transportation, Marine, Utilities, and Medical Equipment sectors

**Enable customers to generate and manage role-specific technical data packages (TDPs)** and connected digital workflows for more **efficient communication & collaboration along the Digital Thread.**

**Founding member of 3D PDF Consortium**, with most advanced, automated 3D PDF publishing with high-fidelity, multi-CAD MBD support

**Anark Corporation HQ** in Boulder, Colorado, with offices in the Washington DC, Detroit, Chicago, San Francisco, and Bangalore, India.

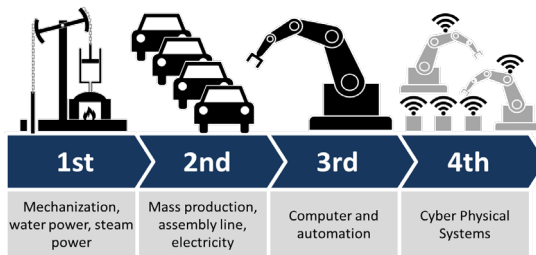
**Worldwide network** of technology and integration partners.



# Smart, Connected, Collaborative

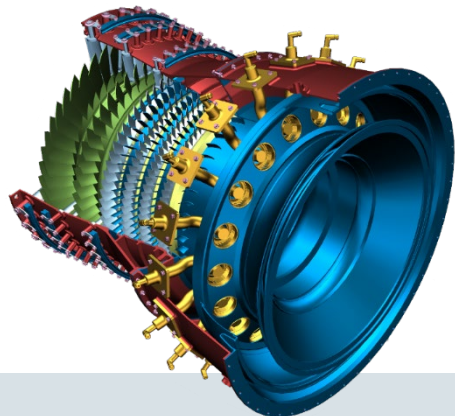


**Intelligent Information Management (IIM)** defines all the strategies, methods, and tools utilized to capture, create, store, secure, analyze, deliver, and automate data. IIM is all about Data AND Content, not Data OR Content. - *AIIIM*



**Industry 4.0** fosters what has been called a "smart factory". Over the Internet of Things, cyber-physical systems communicate and cooperate with each other and with humans in real-time both internally and across organizational services offered and used by participants of the value chain. - *Industrie 4.0 Working Group*

**The Digital Thread** refers to the communication framework that allows a connected data flow and integrated view of the asset's data throughout its lifecycle across traditionally siloed functional perspectives. - *Industry Week*



**Model-Based Enterprise (MBE)** is a fully integrated and collaborative environment founded on 3D product definition detailed and shared across the enterprise; to enable rapid, seamless, and affordable deployment of products from concept to disposal. - *MxD*

# Open Standards for Technical Content

## Content Standards

## 3D

## Standards Orgs

### Web



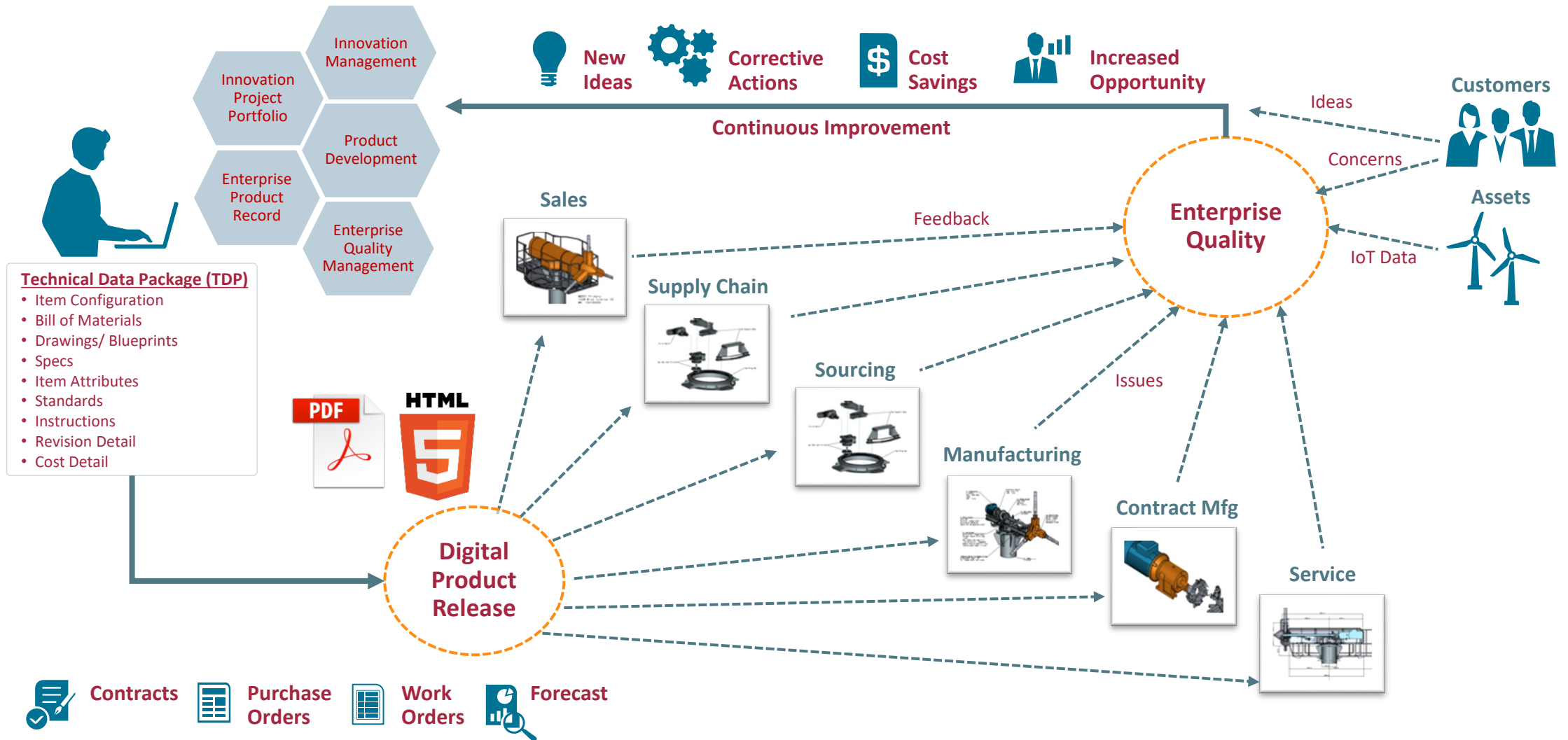
### Document



ISO 14739-1:2014



# Technical Data Packages and the Digital Thread



# The Value of Digital Transformation



**20%**  
improvement  
in new product  
introduction



**30%**  
reduction in  
engineering time



**20%**  
reduction in  
manufacturing  
and supplier  
rework



**74%**  
reduction  
in design,  
manufacturing  
and inspection  
cycle time



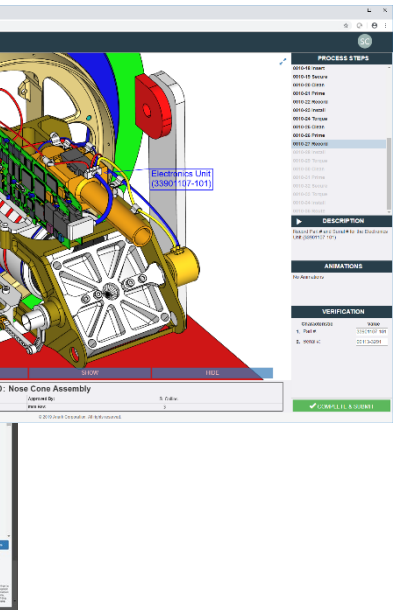
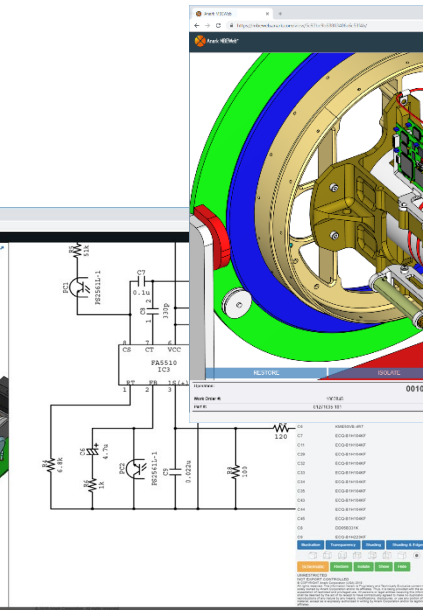
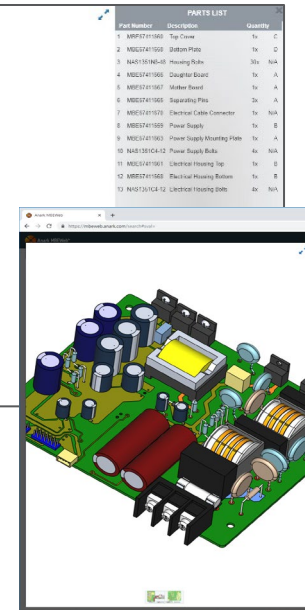
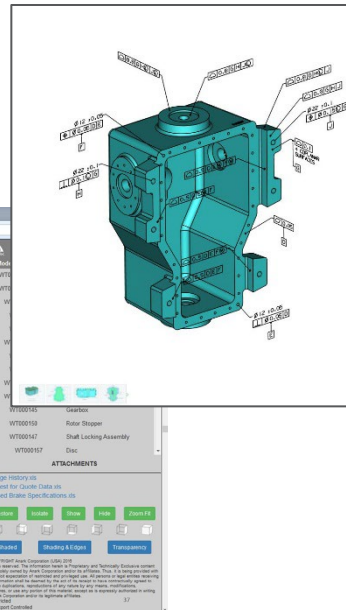
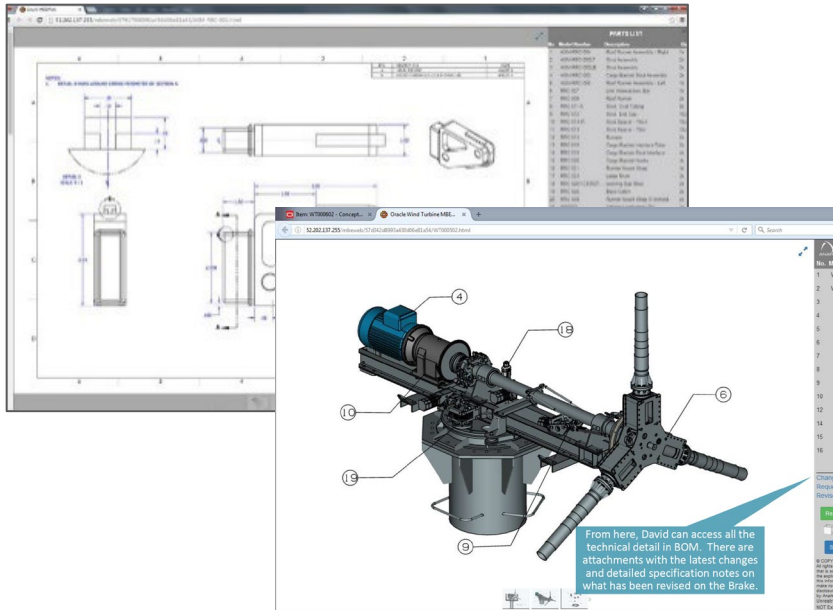
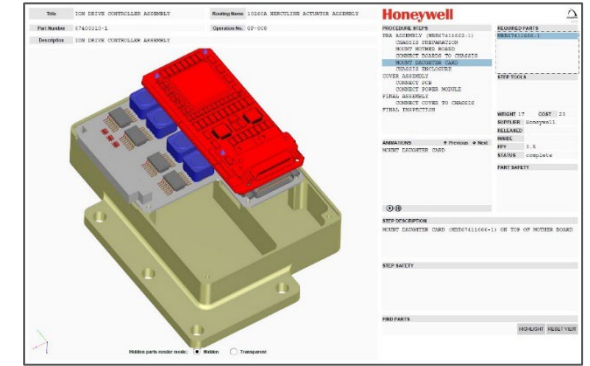
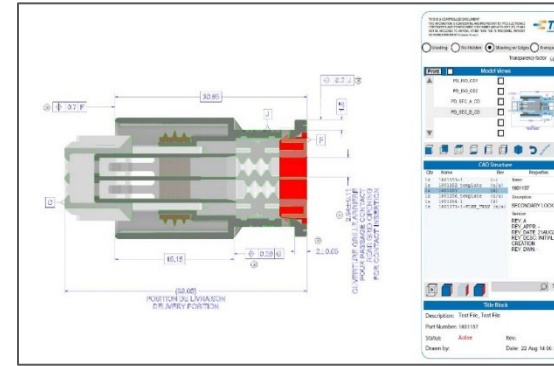
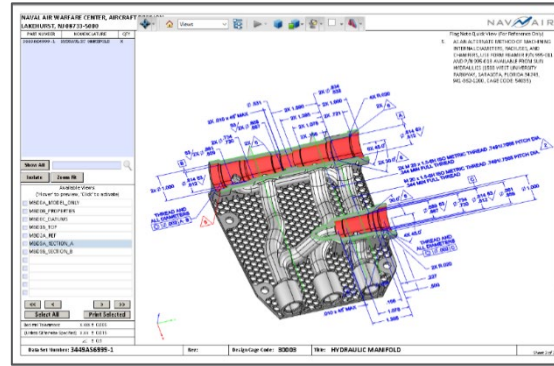
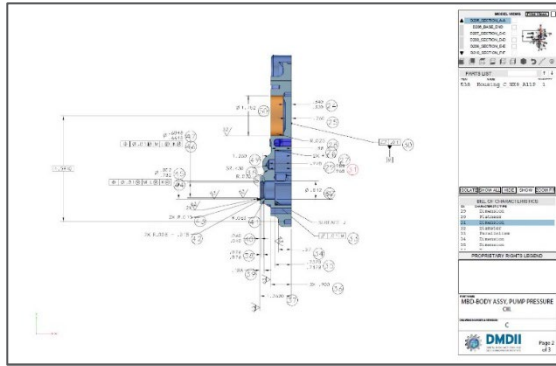
**77%**  
reduction  
in supplier  
response time

*Sources: Benchmark & research studies presented by LNS Research, US Navy Naval Air Command, and National Institute of Standards & Technology (NIST)*

Digital Transformation is empowering OEMs and their suppliers come to market faster, with higher quality products, with significant cost savings.



# Connected, Collaborative, Traceable, Technical Content & Digital Workflows





**SIKORSKY CH-53K**

## NAVAIR PMA-261

### *Use Case:*

- NAVAIR PMA-261 (CH-53K) award winning project to accelerate reception of OEM MBE based data to then create MIL-STD-31000 based 3D PDF Technical Data Packages (TDPs)

### *Details:*

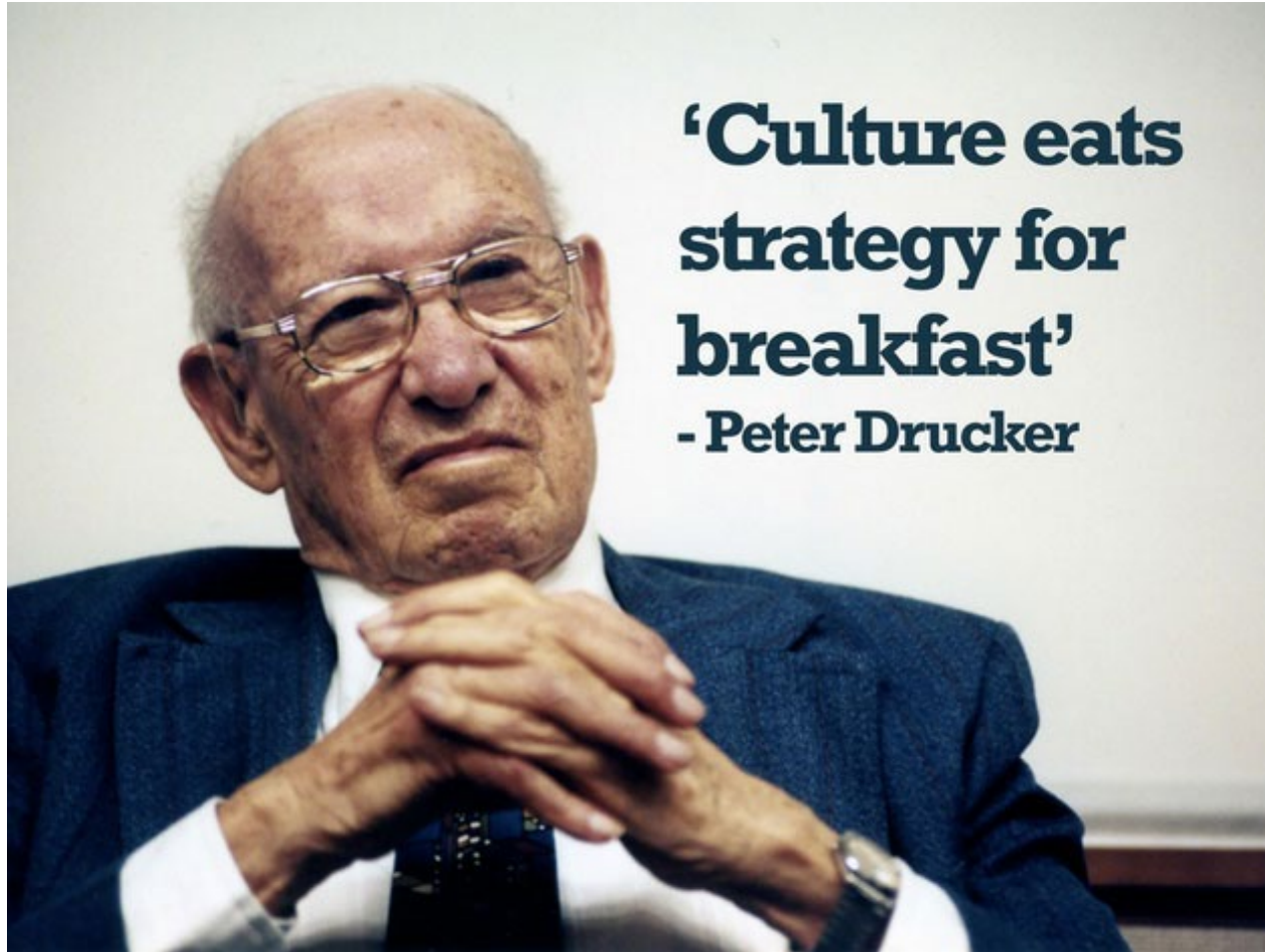
- Validated, standards based 3D PDF TDP needed for effective communication, collaboration and archival with other organizations, especially the Defense Logistics Agency (DLA) and Naval Flight Readiness Centers

### *Benefits:*

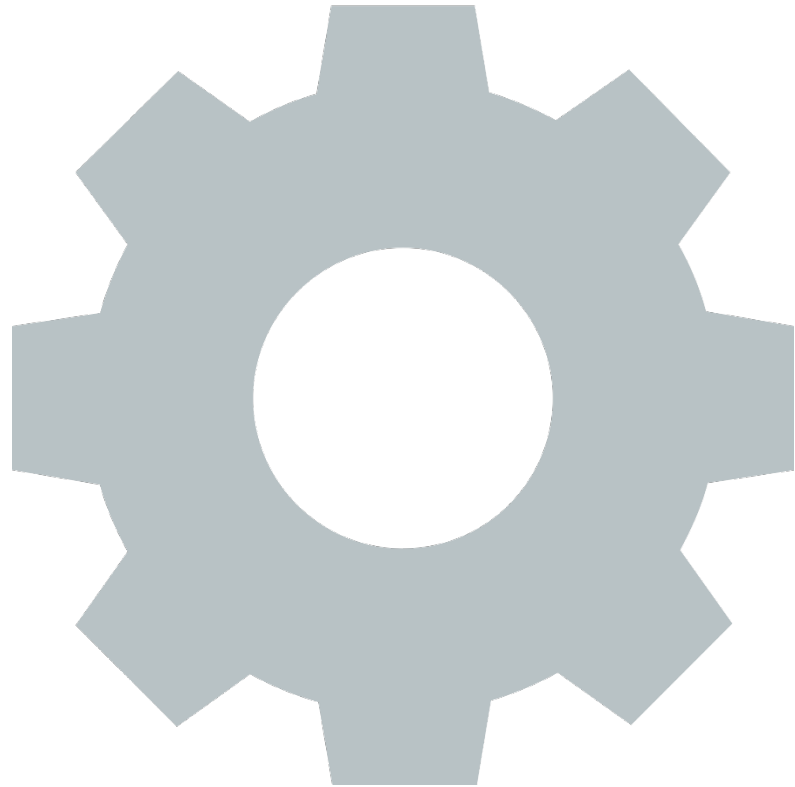
- Avoids manual TDP creation process saving multiple FTE years of labor
- Avoided costs and overhead for delivering native CAD formats to organizations, especially the DLA, since costs to use and handle proprietary formats is not sustainable



# Process, Culture, & Technology



- Interoperability and access to complete & current technical data are essential
- Open industry standard formats are essential, and should serve as a cornerstone of effective digitalization to empower efficient, flexible data distribution, visualization and collaboration
- Leadership & organizational commitment and alignment is critical for successful digitalization strategy and process.
- Tools for effective collaboration and access from virtually any device, from any location, increasingly important
- ROI for successful implementation is huge!



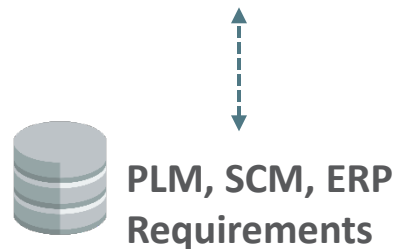
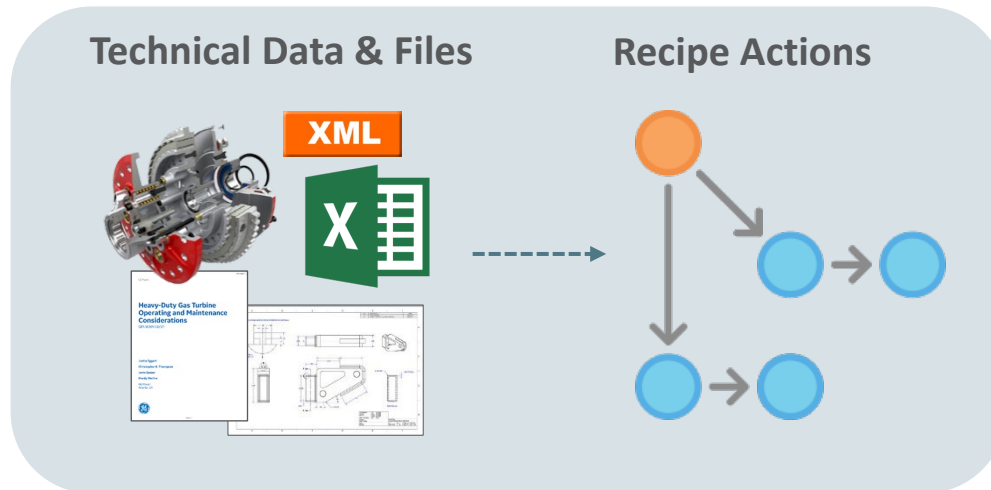
**Thank You, Q&A**

**[solutions@anark.com](mailto:solutions@anark.com)**  
**[www.anark.com](http://www.anark.com)**

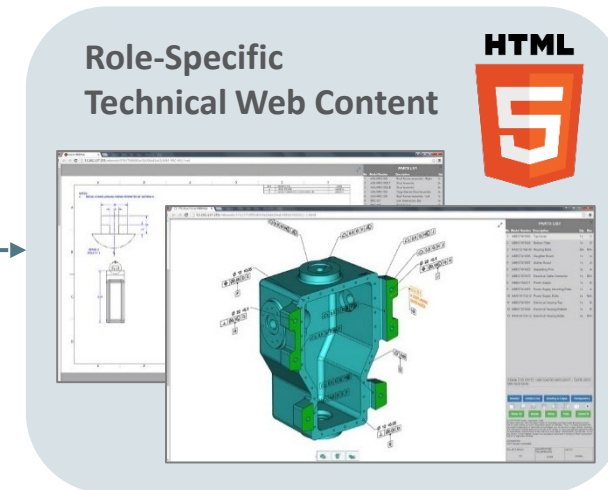
# Anark Content Services for the Digital Thread



Publishing Automation Services



Content Management & Collaboration Services



Consume & Collaborate

