Maximizing Engineering Efficiency: Top 5 Improvements Teams are Making in 2021

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HOUSEKEEPING

• If you have any questions, submit directly in this webinar interface and we’ll try to address all questions during Q&A
Is now the time to review your product development process?
STRATEGIES FOR IMPROVING YOUR PRODUCT DEVELOPMENT PROCESS

- Digital Transformation
- Standardization
- Collaboration
- Data Management
- Accessibility/Visibility
DIGITAL TRANSFORMATION
Using new technologies to enhance business processes

• Remove silos and share data across the enterprise
  – Computers make users faster but don't help teams
  – Data needs to be connected seamlessly
  – Enables easier communication
  – Informed, Data-driven business decisions

• Simplify processes through unified systems
  – Removing duplicate data, processes and software
  – Controlling data in one central location
  – Secure access
DIGITAL TRANSFORMATION
Cloud-first strategy is the enabler

• Many companies are shifting processes to the cloud
  – The cloud is the dominant strategy for digital transformation
  – Sales, marketing, accounting and HR to name a few
  – Engineering data is in silos, needs to be accessible
  – No reason for engineering not to be included

• Cloud software connects the entire enterprise
  – **No data silos, centralized data repository**
  – Easy access from anywhere
  – Data collection and analysis helps drive process improvements
STANDARDIZATION
Ensuring all users are on the same tools

• Keeps IT costs and maintenance down
  – Easier administration and billing
  – Fewer individual environments to maintain
  – Easier user and hardware provisioning
  – Easier data transfer

• Same software makes collaboration and training easier
  – Same version, same file type, no conversations, no errors
  – Simplified training schedules and distributed skill sets
  – Fewer individual customizations to maintain
STANDARDIZATION
Ensuring all users are on the same tools

• **SaaS software enables unified usage**
  – Subscription licensing model
  – Runs on existing hardware without any further outlay
  – Instantaneous user provisioning and deprovisioning
  – **Data never leaves the central database**

• **SaaS software makes collaboration feel natural**
  – Always the same version, no files, no conversations, no errors
  – Data is shared not copied
  – Unified training and common skill set
COLLABORATION FOR FASTER INNOVATION
Multi-user input improves overall process efficiencies

- Collaboration improves product quality
  - Involves all project stakeholders
  - Shorter and less costly development cycles
  - Easier communication
  - Identify and solve issues early on
  - Less errors and rework
  - More iterations, better solutions
COLLABORATION FOR FASTER INNOVATION
Cloud-native software redefines collaboration

• SaaS software encourages user contributions early and often
  – Cloud-native software offers a single source of truth
  – Enables true concurrent engineering
  – Removes barriers due to access, data transfer and compatibility
  – Everybody works with the latest information
  – Captures and records all user inputs
  – Audit trail records who did what and when
  – Unlimited undo/redo
• Data Management means PDM software
  – Separate software installation to manage
  – Dedicated servers, networks and storage
  – Long-winded user provisioning and management

• PDM software is difficult to learn and use
  – Separate software to learn
  – Requires check-in/check-out, blocking other users
  – Local copies of modified files everywhere

• Companies want to eliminate all of the above and more...
SIMPLIFY DATA MANAGEMENT
SaaS software includes built-in data management

• Data is controlled entirely by the SaaS application
  – Data structure is not visible to anybody
  – Data structure always up-to-date with SaaS application
  – Data is manipulated easier and controlled

• No additional learning or extra software to learn
  – Data management is built-in as part of the design experience
  – Users never have to leave the design environment

• Data is always up-to-date
  – Everybody sees the latest data at all times
ACCESSIBILITY
The office of tomorrow is wherever you are

• **Desktop installed software ties you to one location**
  – Downloads, installs, upgrades, drivers, license codes

• **Desktop-installed software requires expensive hardware**
  – Workstations, CPUs, GPUs, RAM, Storage

• **Servers require constant maintenance and a suitable environment**
  – Dedicated servers with network and storage infrastructure
  – Server downtime can affect the whole company
• Installed software is siloed
  – No good way to see what others are doing until data is checked back in
  – Separate programs required to manage access for various teams.

• SaaS platforms provide unified data analytics
  – Be able to identify patterns
  – Check permissions and role assignments to see which users have access to your data
  – See the total number of hours spent on each project per day per user
THANK YOU

QUESTIONS?

Next steps? Reach out to

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