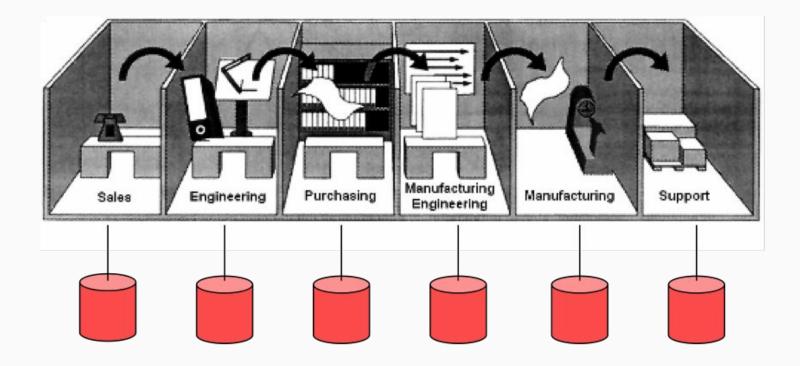
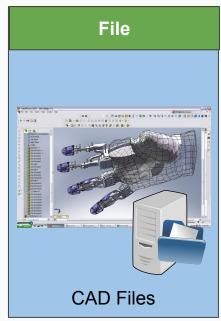


PLM Problem Over Years

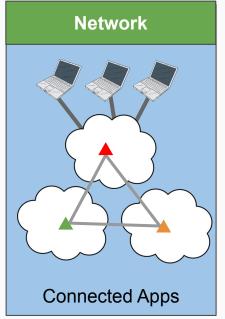


PLM Digital Evolution - Networks and Connected Apps







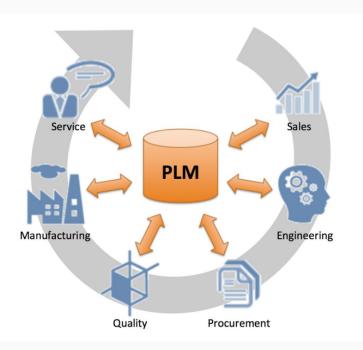


Single Source Of Truth - Still The Best Way To Sell PLM?

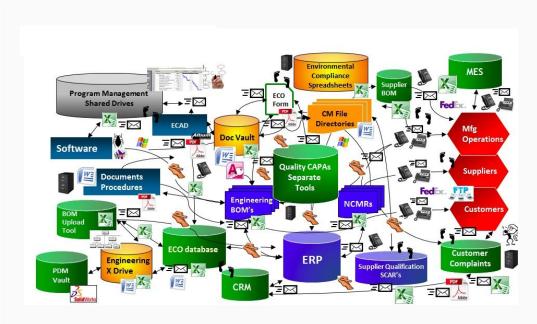


Vision vs Reality

The ideal picture of PLM



A typical company picture of PLM



Has The Term PLM Run Its Course?

Business process + Technology + Products

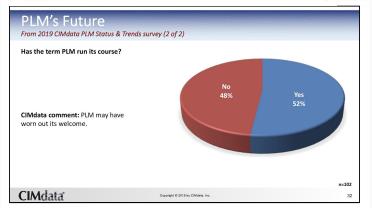
Concluding Remarks The State of the PLM Industry: The Digital Revolution . The global PLM ecosystem is alive and well, but we are still spending a lot of time on the basics · Industry 4.0, IoT, Digital Twins & Threads, model-based whatever, Blockchain, digitalization, and other emerging topics are, in many ways, making us rethink what is PLM and how it needs to be enabled · Everyone is talking about Digital Transformation, but the definitions aren't always the same

. Perhaps, just a new name to what we have been trying to do for years?

· It is time to stop trying to sell "PLM"?

The future is bright, but will your company be part of it.

CIMdata





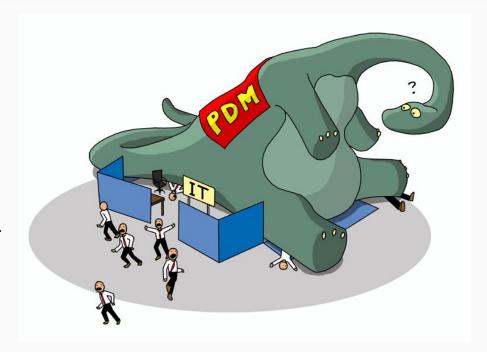


3D CAD & PLM

PLM Vision vs Reality of CAD Data Management



VS.



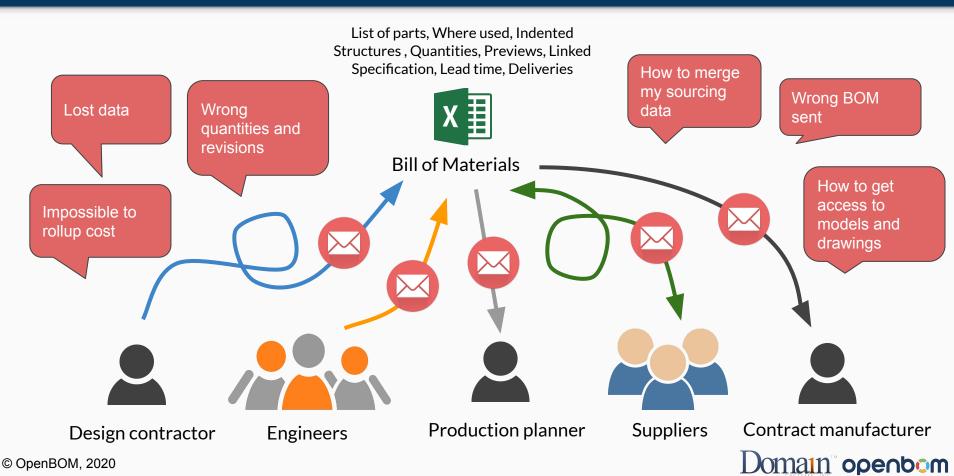
Source Wikipedia: https://en.wikipedia.org/wiki/Product_lifecycle

Source: Solidworks blog

(https://blogs.solidworks.com/solidworksblog/2017/08/feeding-dinosaur-pdmplm-landscape.html)

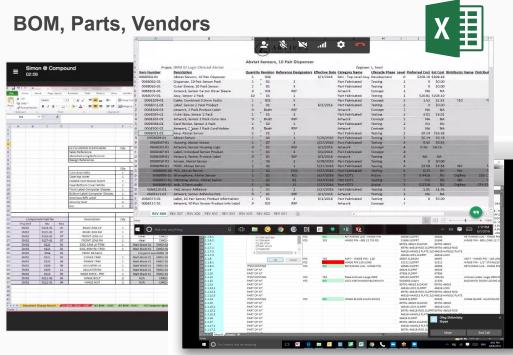


PLM Excels Are Representing Ages Of Pain



The Reality of Many Manufacturing Organizations





Digital Transformation

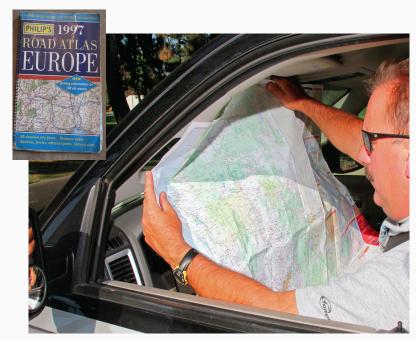
Data Management



Digital.... What?



Digital Transformation of Driving - 30 years



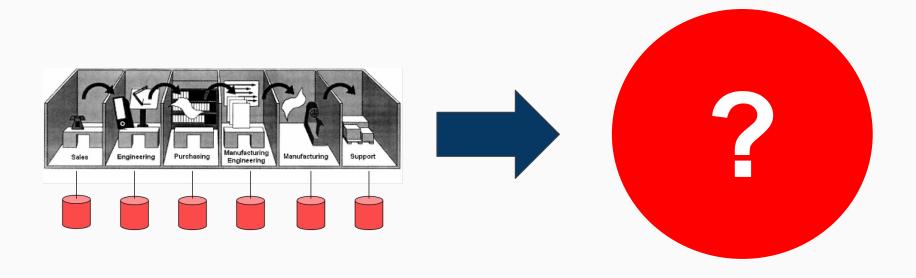
Siloed information - maps, locations, shops, traffic, changes, hotels, restaurants, gas stations...



Organized network of data about roads, traffic, weather, hotels, cars, places of interest, people and many others...



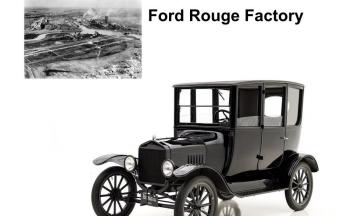
What is Digital PLM?





Digital PLM - Work Is Not Done In A Single Place Anymore

Network coordination and manufacturing efficiency

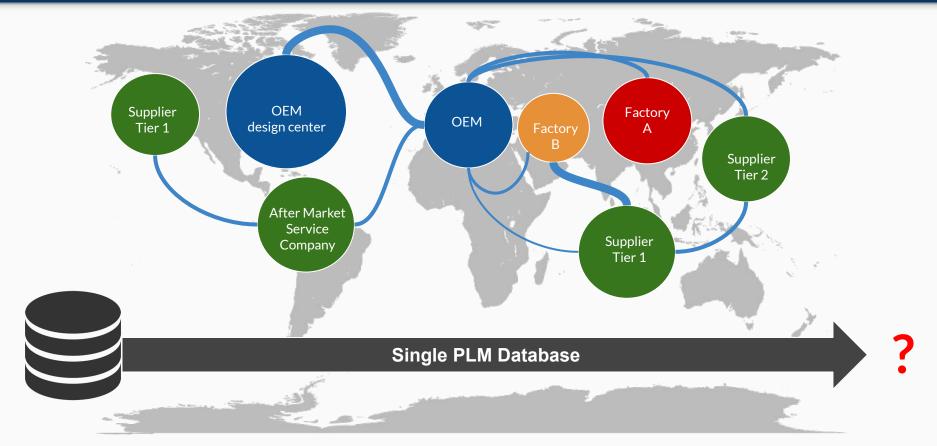


Ford Model T (1918) 41 hours (from raw materials into a completed car) Network: assembly conveyor system

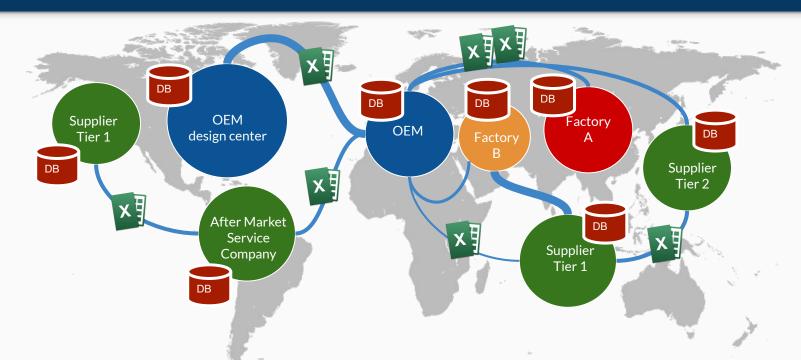


BMW 3 Series (2018) ~20 hours final assembly Network: 100+ major suppliers located globally

A Single PLM Database Vision - How Real Is That?



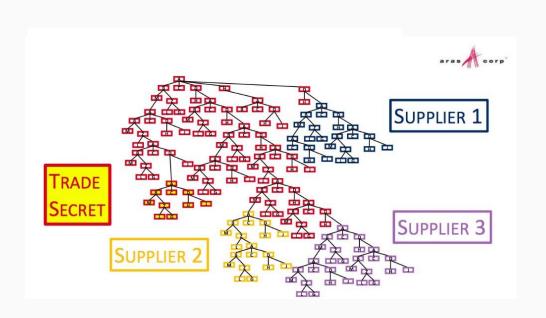
The Reality Of A Single PLM Database

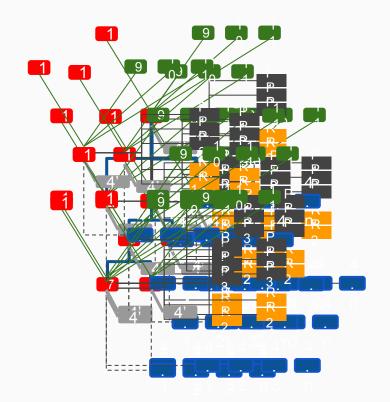


Multi-disciplinary data, complex network and orchestration



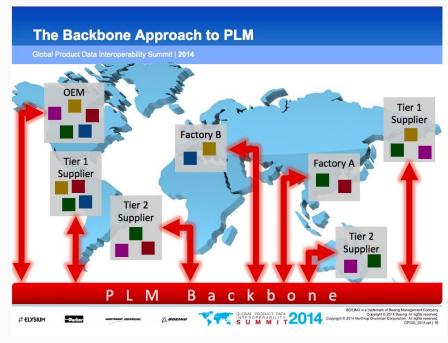
Structure Over Time In Multiple Databases

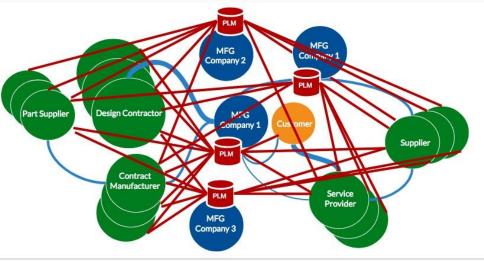






Visible Simplicity Vs. Database Complexity





Customers Perspective







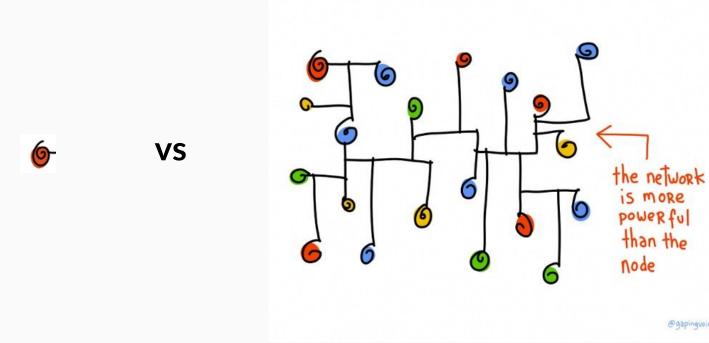
It is complex

It is expensive

Upgrade takes tons of time and resources



We Need To Build Networks



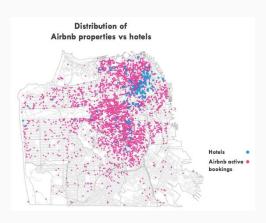


@gapingvoid

The Era Of Networks Is Coming







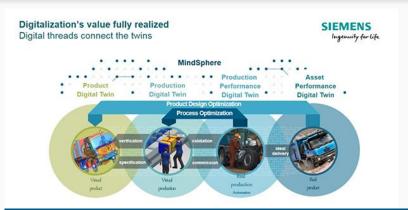
What common between these companies? They are **NETWORK** based



PLM Vendors Are Already Adopting Network Marketing...



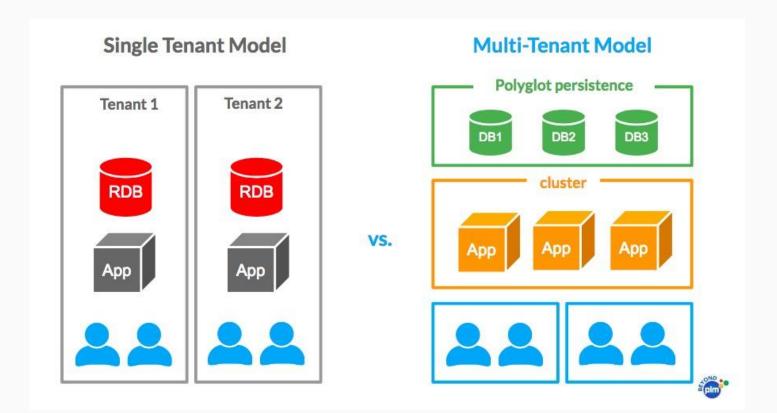




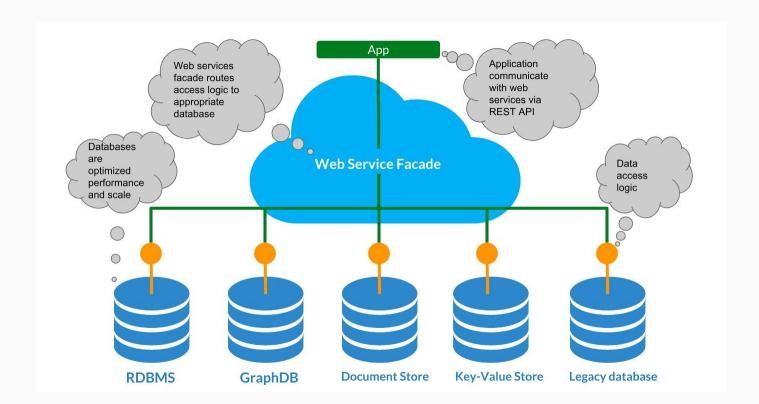




Technology: Multi-Tenant Models



Technology: Data Management And Polyglot Persistence



Technology: Real-Time Collaboration Apps



Clear Communication

Less Confusion

Saves Time

Increase Productivity

Saves Money

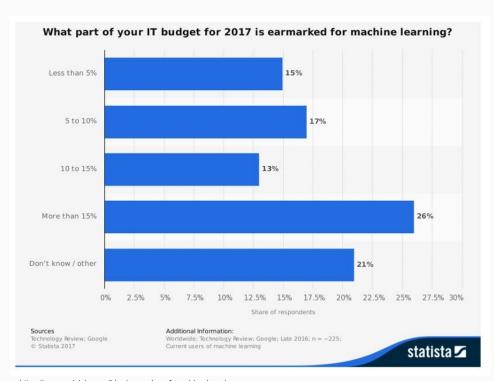
It's fun



Technology: Machine Learning



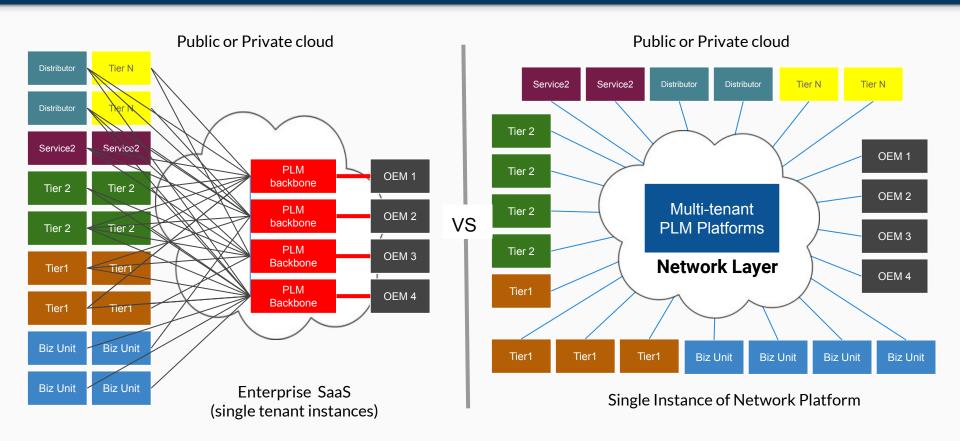
- Optimize routes and options
- Detect anomalies
- Identify objects
- Segment data



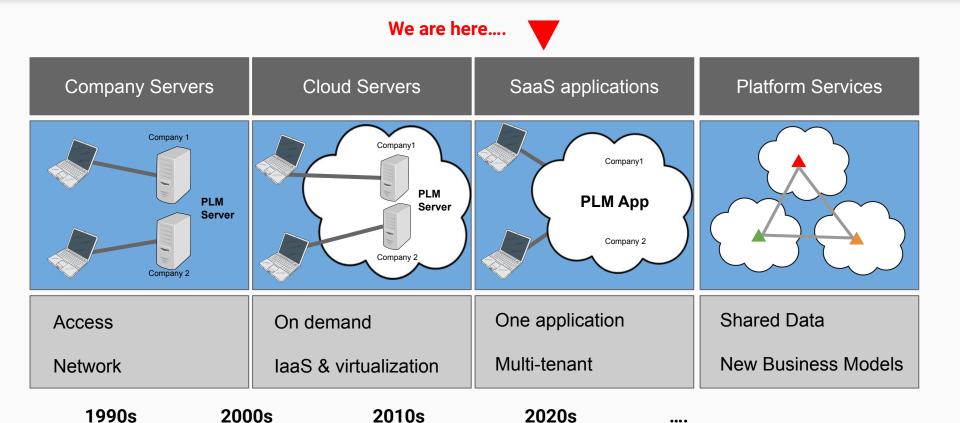
https://www.redpixie.com/blog/examples-of-machine-learning



Multi-Tenant Platforms Add A Network Architecture Layer

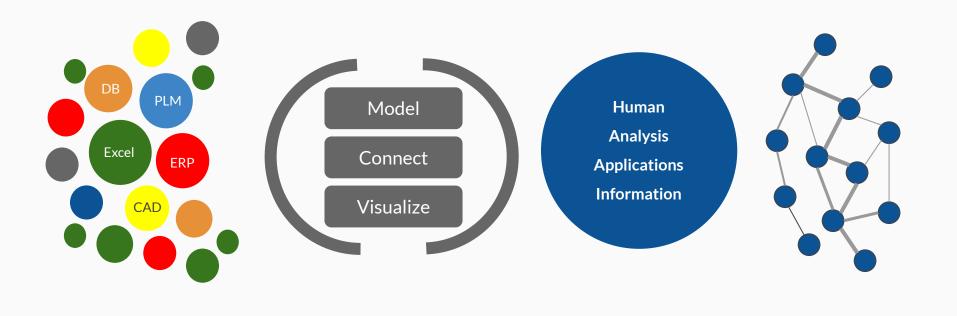


PLM IT Evolution





Digital PLM Value Chain Transformation



Digital Technologies

Digital assets

Share & Collaborate

Analog Data

THANK YOU!

Got A Question? Talk to me online and offline.









