Collaborative Workspace Platform for PDM, PLM, Inventory, & Procurement

Exclusively for Manufacturing Leaders

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Why OpenBOM?

The Ultimate Combination of PDM, PLM, and ERP Functions Tailored for Modern Manufacturing

Beyond PLM (since 2009) - 4,500 articles

OpenBOM:

- Trusted by over 400 customers and over 50,000 registrations
- Winner of G2's 2023 & 2024 Best Software Award in CAD & PLM
- 600+ reviews in G2's PLM category
- Discover customer stories and reviews

Oleg Shilovitsky, CEO and Co-Founder:

- 25+ years with PDM/PLM development
- Worked for Dassault Systèmes and Autodesk
- Visionary in PLM and data management for manufacturing
- Author of Beyond PLM, a leading industry blog
- Over 4,000 articles about engineering and manufacturing

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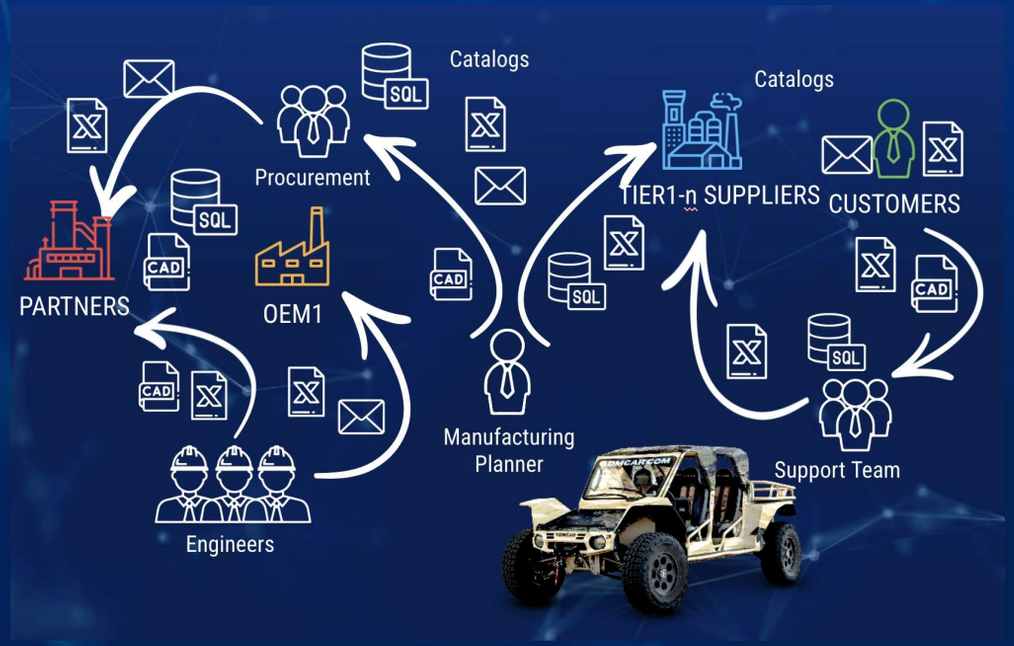
Engineering and Manufacturing Data Management Challenges



1. Product complexity growth
2. Cost and competition pressure
3. Supply Chain turbulence
4. Traceability and maintenance
5. Regulation and compliance

Digital transformation and manufacturing networks demand new tools that enable teams to work faster, communicate seamlessly online, and make data-driven decisions

Sources: Manufacturing 2030 NAM report, An EY research about trends in discrete manufacturing , CIMdata 2023 market research

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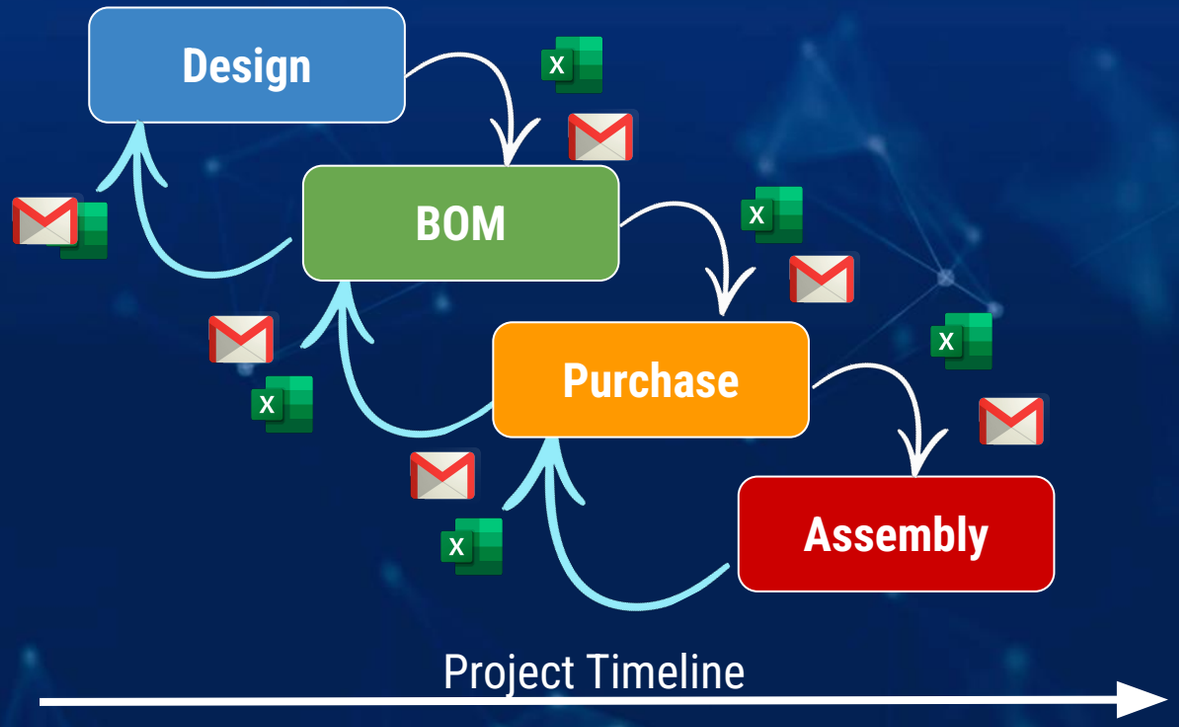
Chaos of Disconnected Documents

Chaos of Emails with File Attachments



⦿ MCAD/ECAD/PCB ⦿ Suppliers ⦿ Contract Manufacturers ⦿ Excel/STEP/PDF ⦿ Legacy DBs ⦿ CAD/PDM/ERP ⦿ Emails ⦿ File Attachments

Disconnected Process using emails and files, the information is hidden in the documents

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Solution: Collaborative Workspace For Engineering & Manufacturing Teams

Organized Product Data + Connected Agile Data Driven Process

Accelerate Development and Reduce Risks via Design, Quoting, and Production Integration

Increase Product & Services Sales:

- Accelerate time-to-market
- Strengthen customer connections
- Simplify maintenance
- Align designs with requirements

Reduce Operational and Material Cost

- Gain early supply chain insights
- Eliminate errors and mistakes
- Improve cost tracking
- Reduce rework and improve collaboration

Mitigate Product and Operational Risks

- Ensure early BOM visibility
- Identify supply issues early
- Maintain regulatory compliance
- Strengthen cost control

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OpenBOM's 3 Points Strategy To Integrate Design, Quoting, and Production

1. Digital BOM and Digital Thread as a Service (PDM/PLM)
2. Seamless Design Integration with Multi-CAD Support (CAD Add-ins)
3. Integrated Production Management (RFQ/PO, Inventory, ERP)

OpenBOM is a Collaborative Workspace platform (SaaS) specifically designed for engineering teams and manufacturing companies. It provides an integrated suite of PDM, PLM, and ERP functionalities, seamlessly tailored to meet the needs of growing manufacturing teams and medium size enterprises

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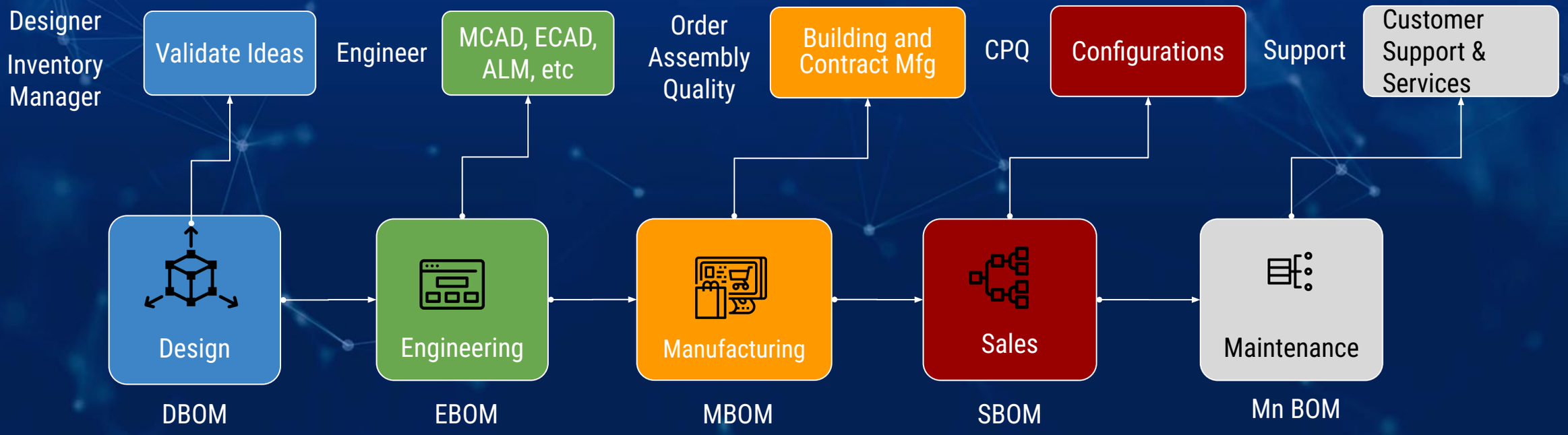
Digital BOM and Connected Product Lifecycle (PDM/PLM)

⦿ Flexible Data Model ⦿ Revision Control ⦿ ECO/ECN ⦿ Graph Navigation ⦿ xBOM ⦿ Cost rollup ⦿ CAD/PDM/ERP ⦿ Role-based instant data sharing



OpenBOM creates a digital twin of your product lifecycle, organizing information and streamlining processes across teams, contractors, and suppliers

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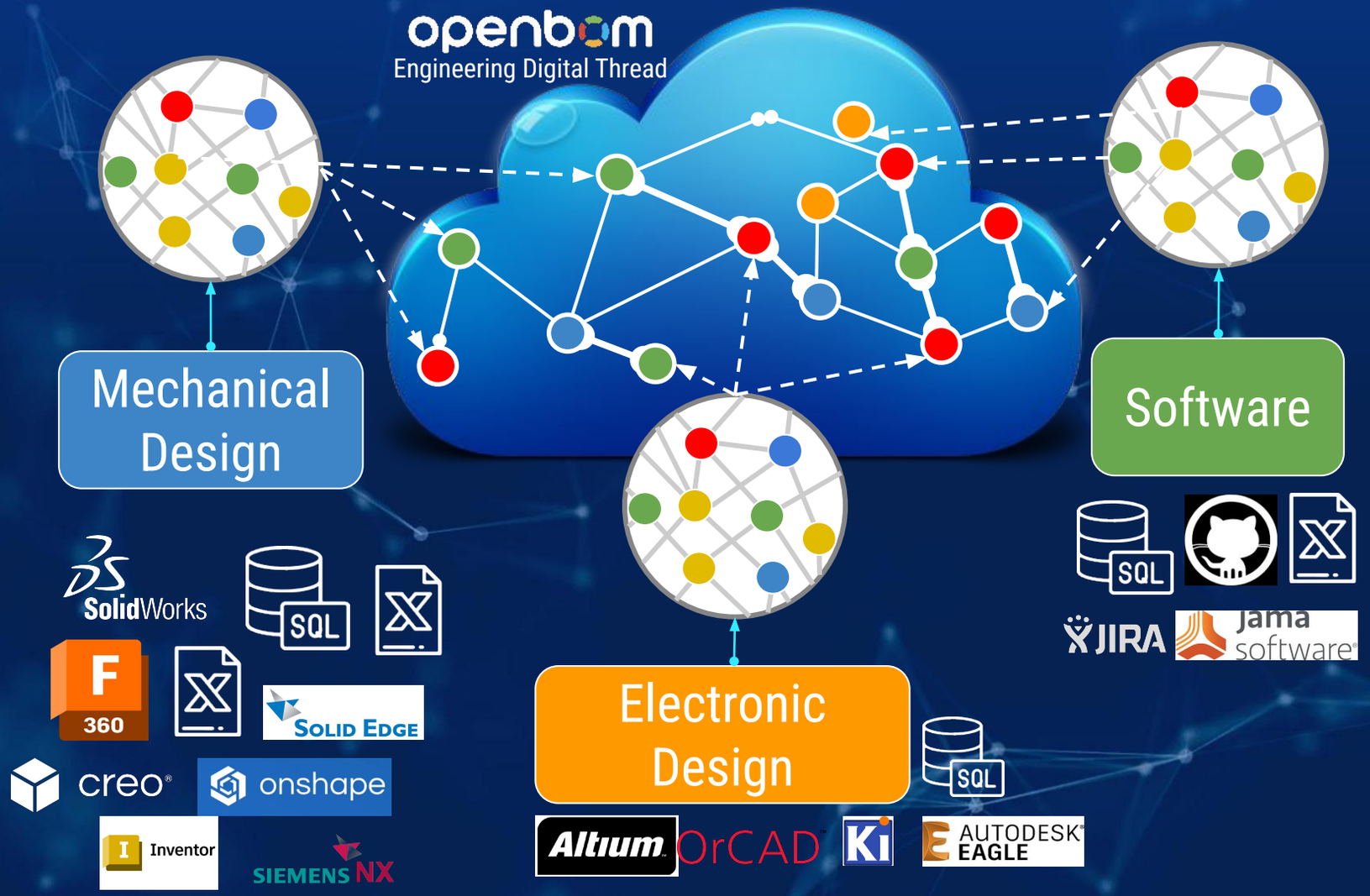
Seamless Design Integrations with Multi-CAD support (CAD Add-ins)



CAD File Management, Cloud Storage and Versions

Multi-CAD Integration: Expertise in file and data capture from multiple engineering data sources

Automatic Derivative Files (STEP, PDF, STP, etc)

Dedicated Add-ins for CAD systems and specialized API Toolkit

Unified BOM Creation Across Systems MCAD, AECO, ECAD, Software

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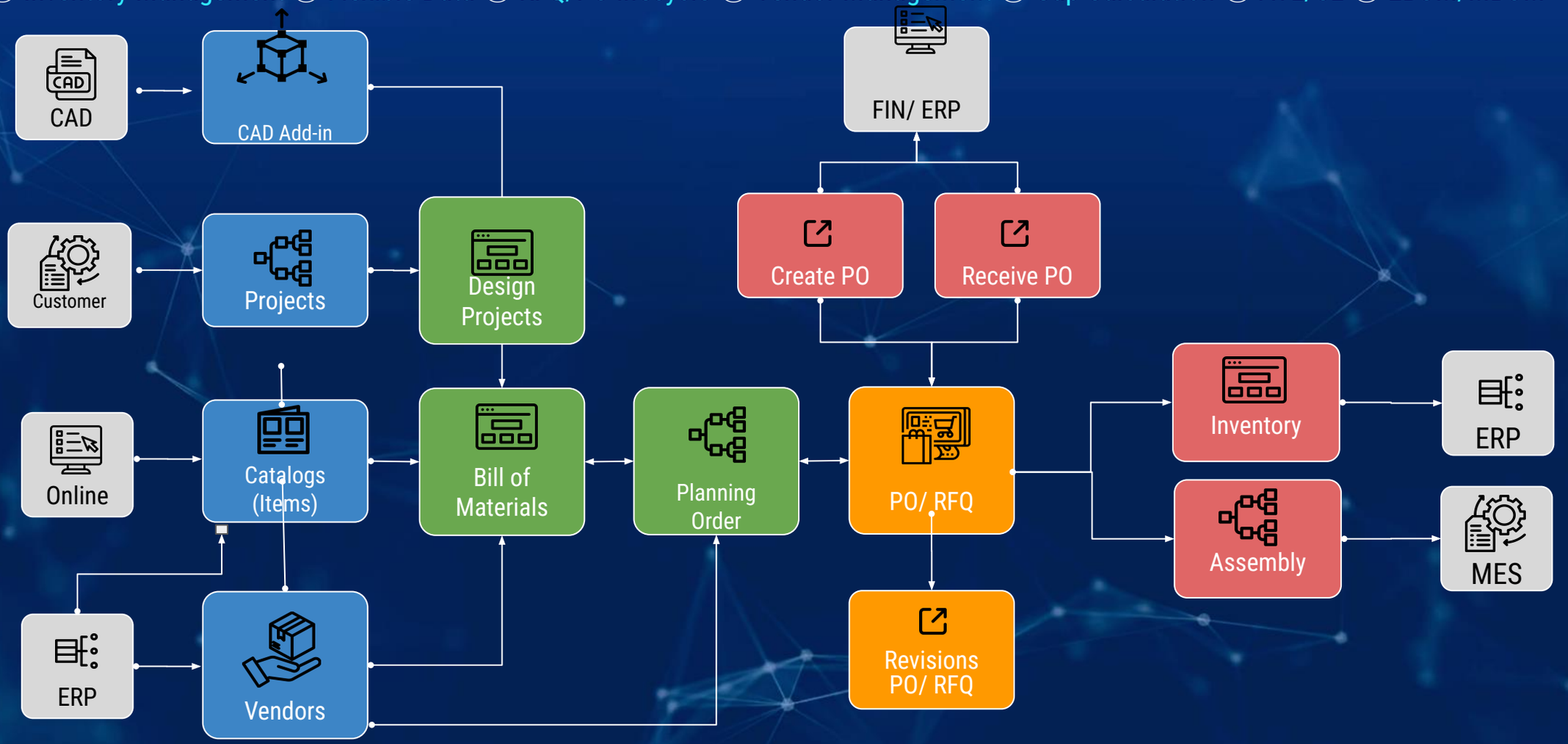
Integrated Production Management (RFQ/PO, Inventory, ERP)

⦿ Inventory Management ⦿ Flexible Data ⦿ RFQ/PO lifecycle ⦿ Vendor Management ⦿ Gap Calculation ⦿ AVL/SL ⦿ EBOM/MBOM



OpenBOM simplifies inventory management and streamlines the design-to-quote process by integrating data across engineering and manufacturing. It fosters collaboration by connecting engineering and procurement teams

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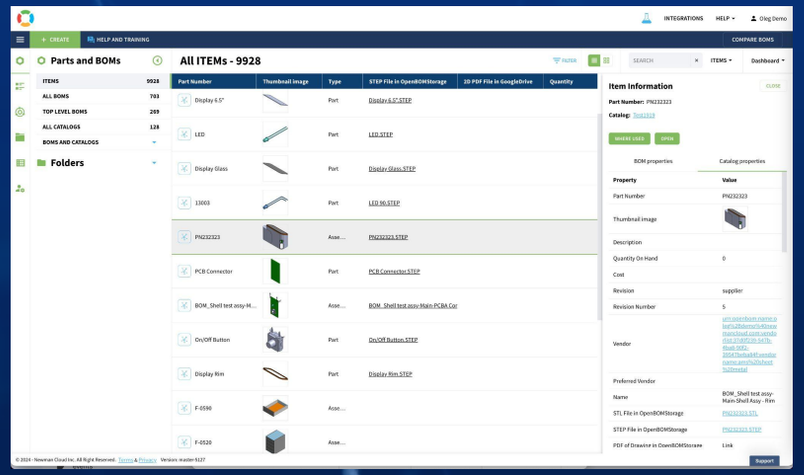
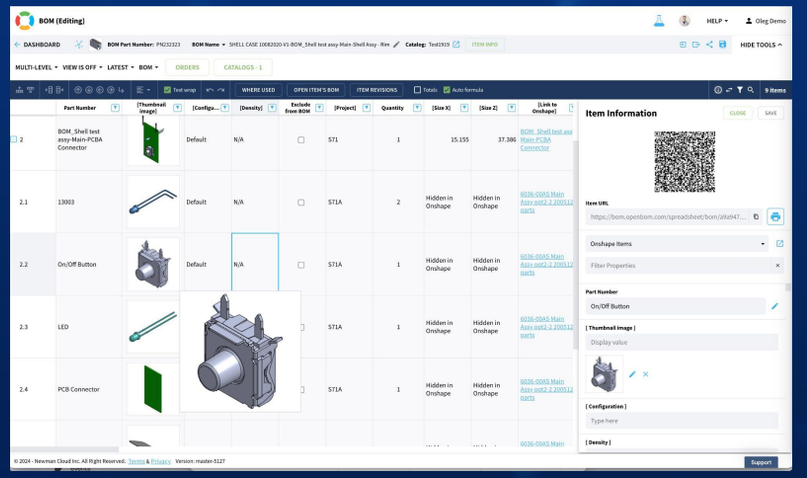
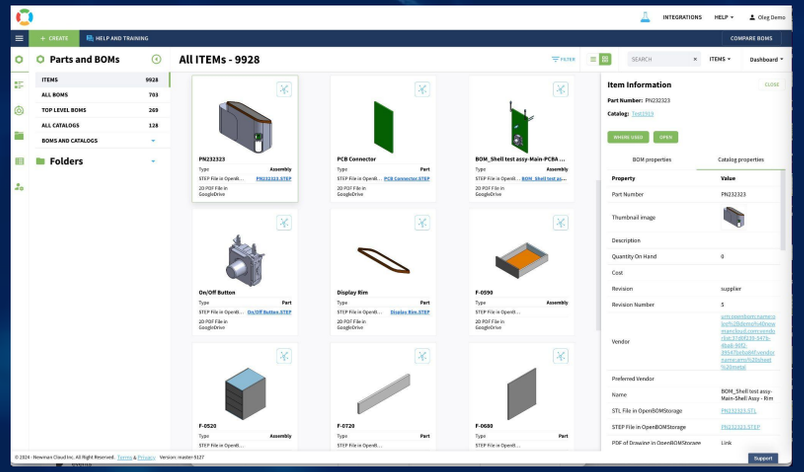
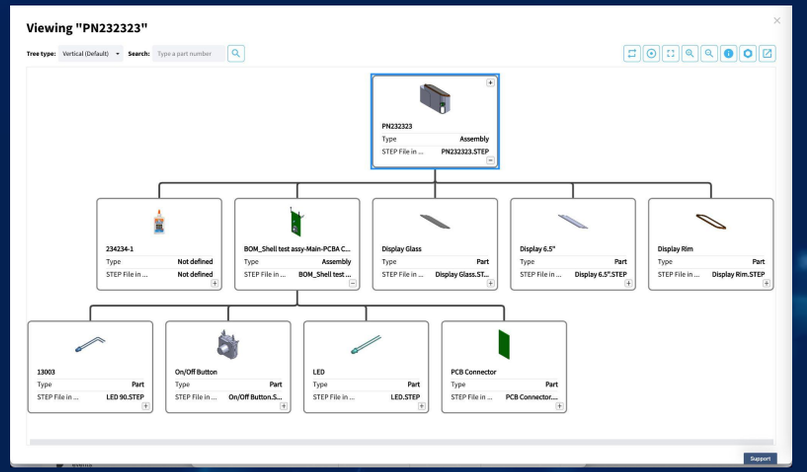
Simple and Easy User Experience Combined with Powerful Functions









- Flexible data
- Data driven user interface
- Real-time collaboration
- Instant data sharing
- Multi-view xBOM support
- BOM comparison
- Custom objects
- Real-time collaboration
- Graph Navigation
- CAD file management
- Revision control
- Change management
- Cost rollup
- Formula support

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Tomcar – BOM for All Contractor and Suppliers

"I absolutely love that OpenBOM lets me share accurate, complete BOMs with vendors, partners, customers, my colleagues in Israel, and so many more. It is great for my team and great for the company"

Jonathan Drori - Lead Engineer, Tomcar

Problem

Before OpenBOM, we did not have a final BOM that was accurate or easy to share. We needed a full product BOM. We have detailed formal agreements with partners, we could tell them what to build [in terms of the product], but couldn't tell me what to buy, there was too much Tribal Knowledge!

Result

Tomcar uses OpenBOM To Deliver Full Product Definition Shared Globally With All Company Users and Manufacturing Partners

Read the full story

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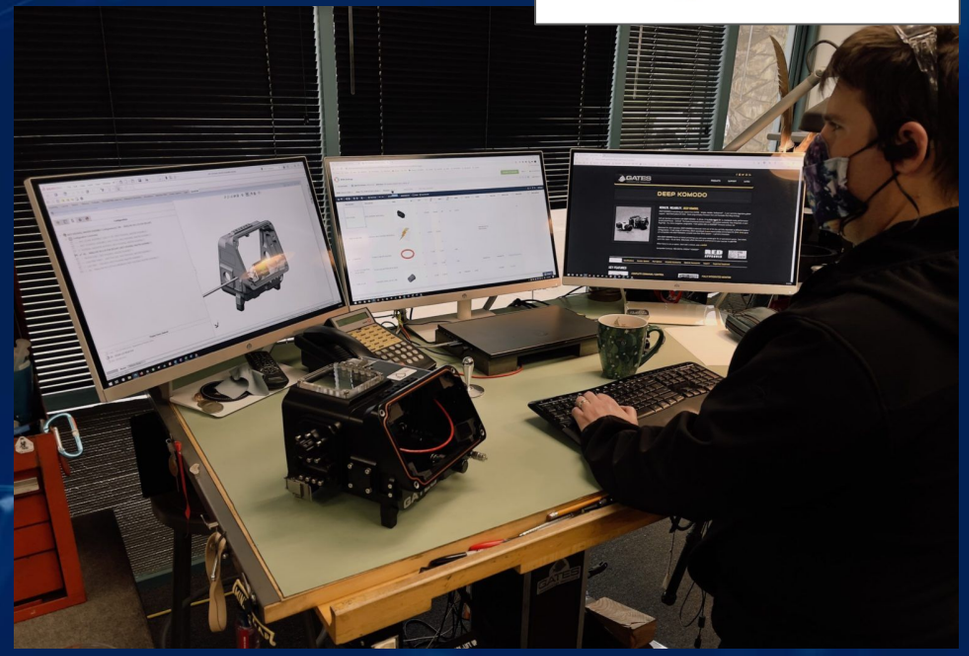
Gates Underwater Products

"The OpenBOM product is a good fit for us as a company. I did not anticipate the overall benefit of the Solidworks integration. It was a big WOW! moment. OpenBOM is a perfectly suited, good value product. It's an excellent match to our needs.OpenBOM forces adherence to a process!"

John Ellerbrock, President Gates Underwater Products



Problem

Gates' team looked how to connect Design Engineers, Manufacturing and Supply Chain Teams Together? It includes: Capture and maintain BOMs, (2) Provide a single repository for cost and inventory, (3) Perform product pricing calculations and forecasting, (3) Document and manage costs of good sold (4) Share and allow simultaneous use….. Not emailing!!

Result

Gates has engineers on CAD, folks in manufacturing and assembly, and recently incorporated OpenBOM in our supply team. OpenBOM fits the size of Gates business as its scale, Since then the scope of what Gates put in OpenBOM has grown, it allows to control more information, specifications,and requirements.

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OpenBOM SaaS Solution

OpenBOM SaaS reimagines PDM, PLM, and ERP with Product Data Intelligence and a Collaborative Workspace to solve data challenges:

- ✔ Streamlining CAD management and BOM creation
- ✔ Optimizing xBOM and the product lifecycle change processes
- ✔ Improving Order Management (RFQ, PO, Inventory)
- ✔ Ensuring accurate data transfer to ERP
- ✔ Enabling seamless collaboration with contract manufacturers

Contact Us To Schedule A Demo

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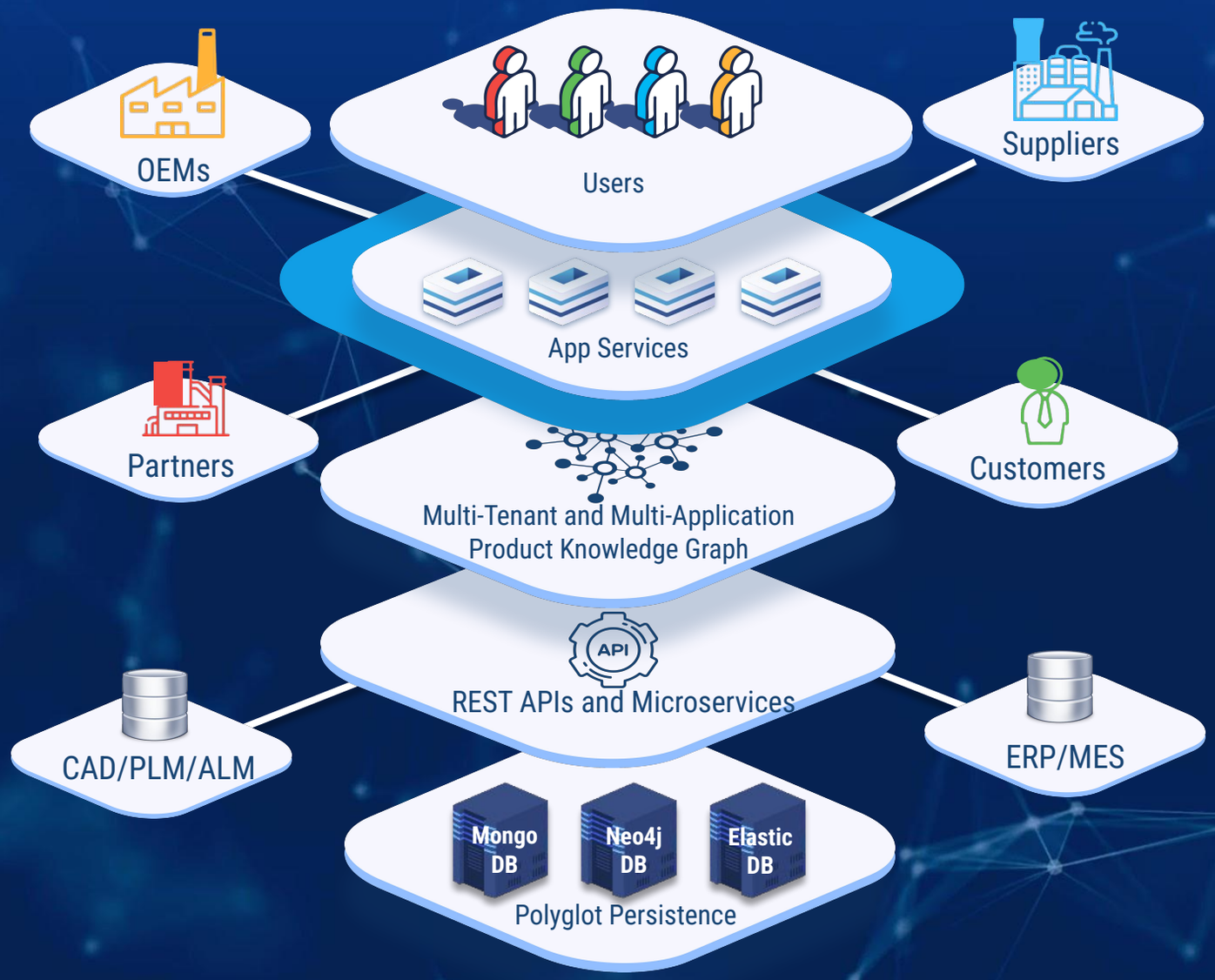

- Containers and web services
- Microservices Architecture
- Connected & federated (not monolithic)
- Multi-tenant data model (multi company)
- Polyglot persistence + graph based
- Flexible data model and global scale
- SaaS cloud services (applications)
- Data linkage/merge using REST & graphs
- Openness vision
- Easy to Configure and Customize
- Easy to Upgrade
- Patented real-time collaboration
- Simultaneous collaborative data editing
- Role-based instant data sharing
- Graph data science support
- AI/LLM support in research
- DBaaS for MongoDB/Neo4j/Elastic
- AWS ECS (pub, private) + DevOps

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Thank you!

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