



A CIMdata Education Webinar

High Tech Practice Manager Professional background Laila Hirr, High Tech Practice Manager and Sr. Consultant Has worked in PLM space for over 20 years

- Over 10 years in semiconductor equipment and high tech manufacturing
- 5 years of enterprise engineering systems management
- 5 years of global PLM program management
- MSME with emphasis on CFD and engineering technology management
- BSME focused on materials engineering

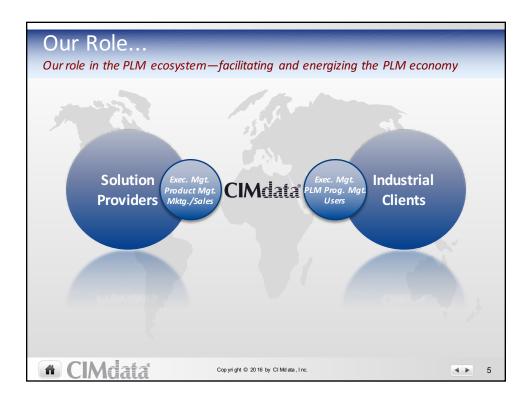


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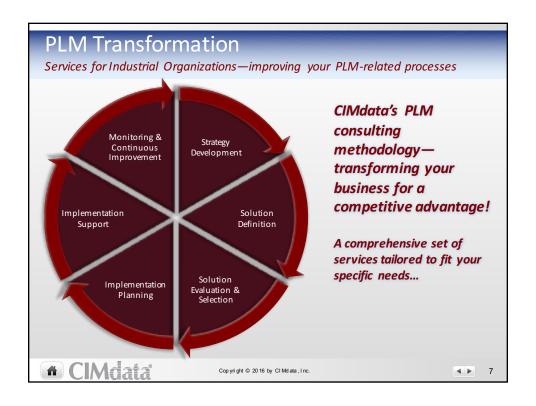
Our Mission... Strategic management consulting for competitive advantage in global markets CIMdata is the leading independent global strategic management consulting and research authority focused exclusively on the PLM market. We are dedicated to maximizing our clients' ability to design and deliver innovative products and services through the application of PLM.

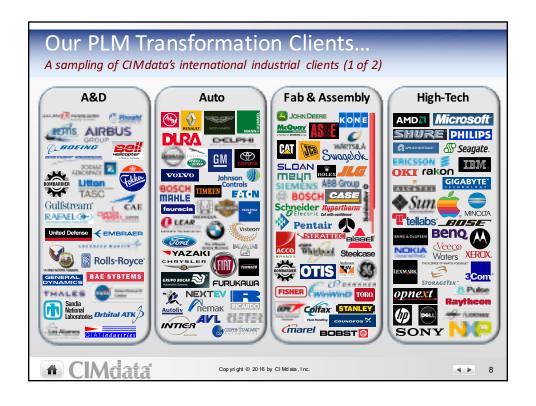




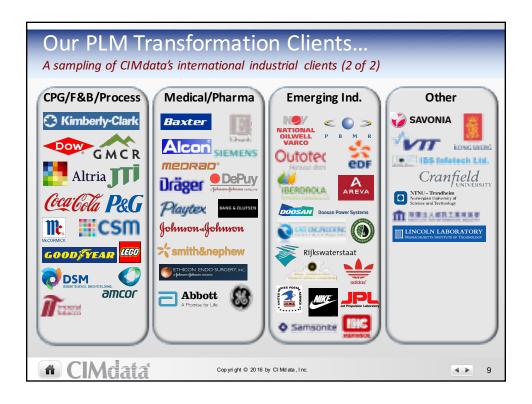


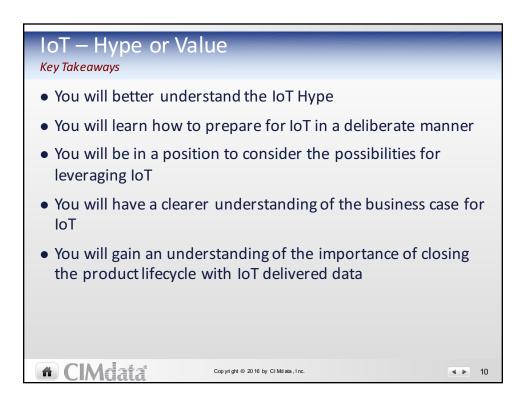




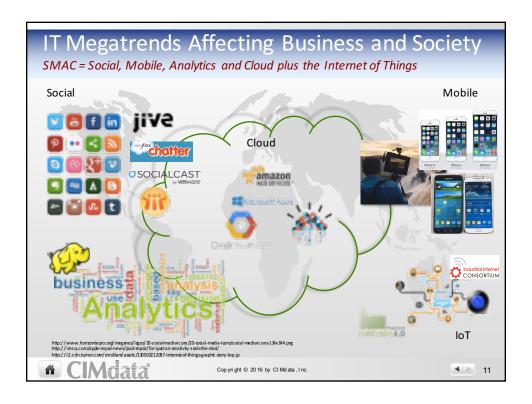


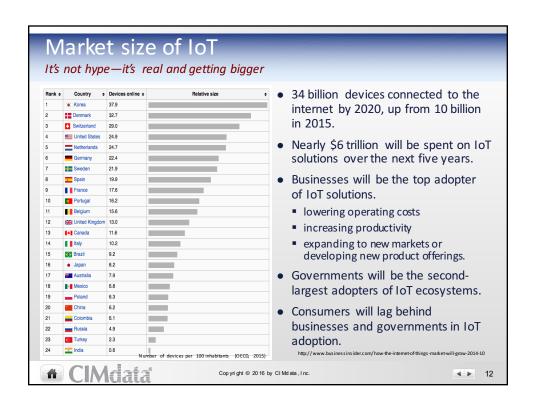




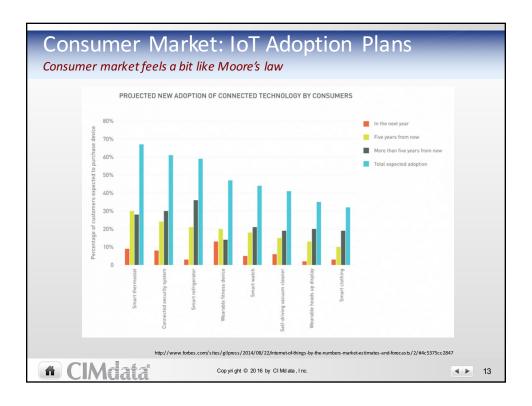


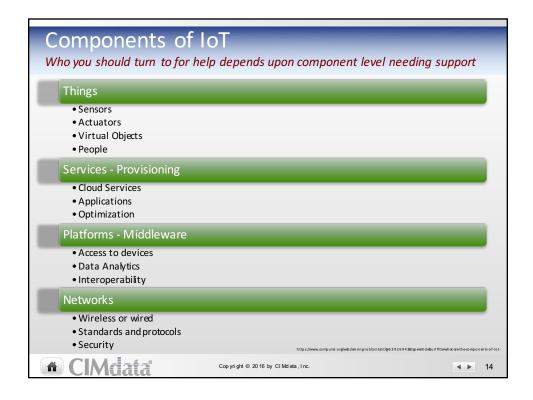




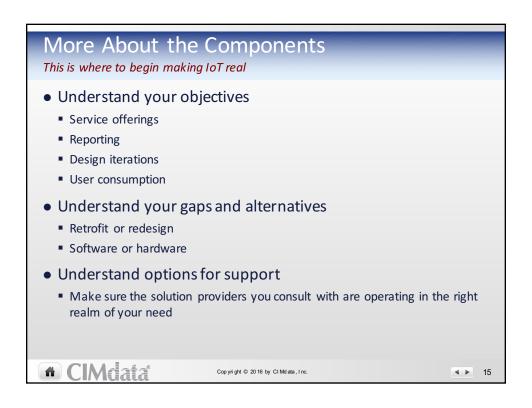


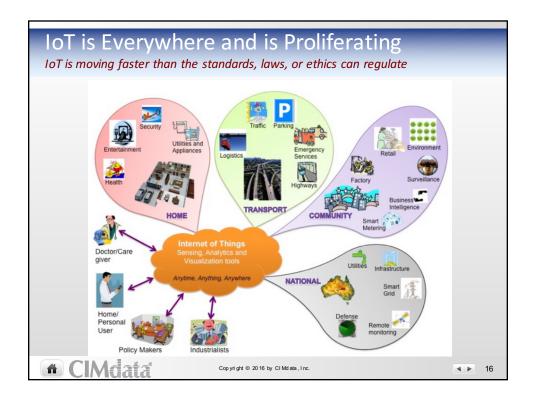














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Common Expansion Areas

Markets challenges and opportunities (1 of 2)

- Industrial equipment
 - One of the largest areas of being able to expand service offering
 - Challenges are multiple standards, non-networked systems
 - Opportunities to better forecast service needs for customer and better manage service inventory
- Consumer products
 - Wearables, white goods, automotive, and more
 - Challenges are around anonymizing data, privacy, operational hacks, and security
 - Opportunities to capture consumables

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Common Expansion Areas

Markets challenges and opportunities (2 of 2)

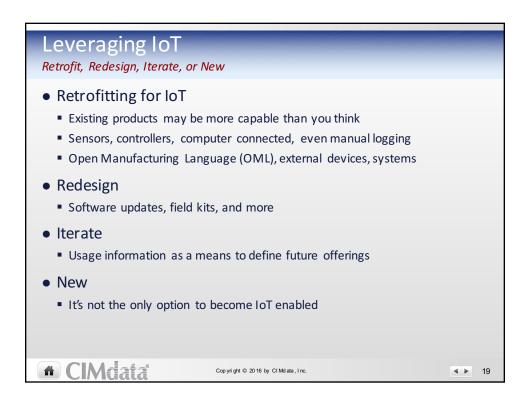
- Building management
 - Smart buildings business and residential
 - Challenges are privacy, security, and operational hacks
 - Opportunities in improving building operations, maintenance, and efficiencies
- Health management
 - Portable health management
 - Challenges are ethics, privacy, security
 - Opportunities to provide real-time monitoring, feedback
- Product development
 - Close the feedback loop, use a digital twin
 - Challenges are leveraging feedback on existing products, sorting data to validate decisions
 - Opportunities to leverage real world usage of offerings and to iterate designs

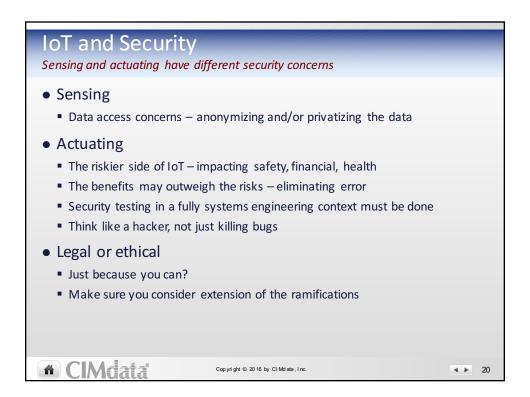


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IOT and PLM Closing the Loop IoT data Should not reside in PLM Drives analytics and decision making Requirements and Quality From the analytics of IoT data the requirements or corrective actions are defined and managed within PLM Making sense of the IoT noise Being a data analyst is not enough Must understand the systems and sources Digital twin is a buzz word for a reason





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Call to Action Moving the PLM community forward Attend CIMdata educational webinars monthly • Feb 11: Simulation Governance: Managing Simulation as a Strategic Capability - recording has just been released Next educational webinar topic is: PLM Support for Knowledge Management & Retention With John MacKrell on April 14th • check for details on both at: http://www.cimdata.com/en/education/educational-webinars Join the High Tech Electronics PLM Action Group (see next) Topics like this are rich opportunities to get involved Attend HTE/Med Device PLM Road Map (see next) • For more information on these topics be sure to contact us CIMdata **♦** ▶ 23





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High Tech — Med Device PLM Road Map Innovation and Structure — Where processes and tools collide Tuesday, May 24th at the Santa Clara Biltmore This one day event will cover topics relevant to the technology explosion by touching on these themes: Taking innovation from concept to production in regulated industries such as medical devices Key trends impacting innovation 2016 forward The importance of cross disciplinary teams in innovative innovation How is "mobility and connected" impacting product innovation, definition and service? Speakers from GoPro, Dell, USC, Edwards Lifesciences, and more http://www.cimdata.com/en/events/plm-conferences/event/162-plm-road-map-2016-for-high-tech-medical-device-communities

