

Cadence Design Systems and Product Creation

Charlie Giorgetti Allegro, OrCAD and Sigrity Product Group Graser User Group Meeting 31 October 2014

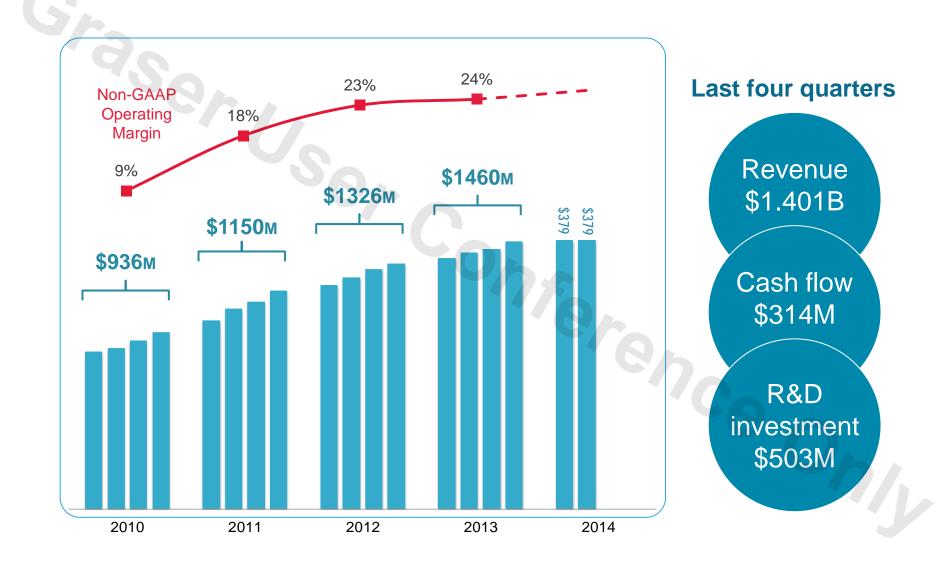
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Cadence



- A leader in electronic design automation
- Software, hardware, IP, and services are used to design electronic products including semiconductors, consumer and mobile devices, industrial equipment and network infrastructure equipment
- Trailing four quarters revenue is over \$1.4B
- Headquarters in San Jose, California, USA with 5,700 employees worldwide

Strong financial performance



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Trusted partner for 25 years

THOUSANDS OF CUSTOMERS GLOBALLY



THOUSANDS OF GLOBAL SYSTEMS COMPANIES

ALL OF TOP SEMICONDUCTOR COMPANIES

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Commitment to innovation and customer support

22

CADENCE CHANNEL PARTNERS

16 GLOBAL DEVELOPMENT CENTERS



3,300

R&D ENGINEERS

PATENTS WORLDWIDE

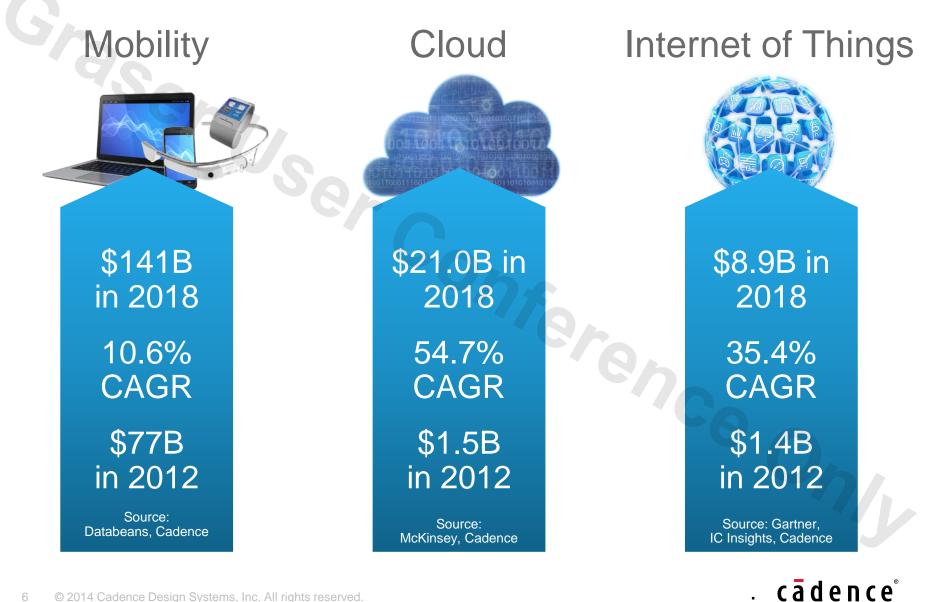
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1300

FIELD APPLICATION ENGINEERS

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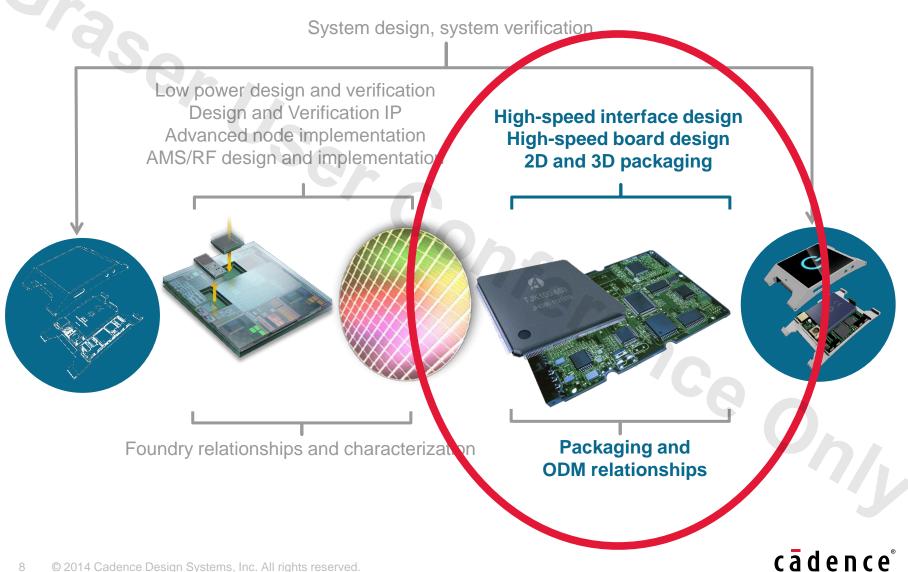
Opportunities driving growth in electronics





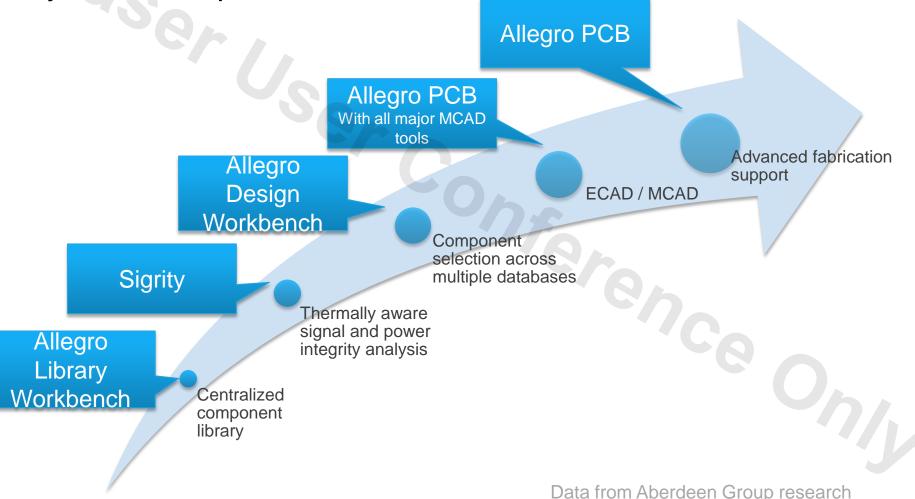
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Cadence delivering value to our customers



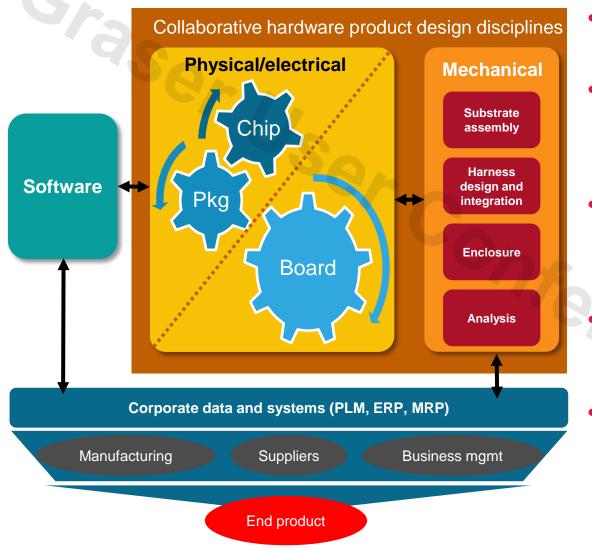
Roadmap to best-in-class product creation

Attributes and practices from a survey of 500+ leading systems companies



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Cadence PCB and Sigrity strategy fast, efficient product creation



- Successful products require a predictable design process
- Products are more than PCB and require collaboration with mechanical and in many cases with IC-package design
- Designs require power-aware signal and power integrity analysis to ensure compliance and performance
 - Designing with integrated corporate supply chain and business support systems
- On-time product creation requires efficient collaboration with manufacturing

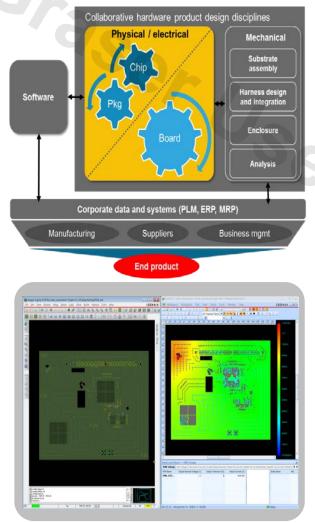
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Focused on key market dynamics and drivers

- Miniaturization, multi-fabric systems, ECAD/MCAD co-design
- Efficient path to manufacturing
- Standards-based design for open collaboration between design disciplines
- Interface connected systems
- Achieving thermally aware system-level power and signal quality management and compliance



Allegro - Sigrity integrated solution better together – makes product creation predictable



Integrated design and power analysis

- Allegro[®] constraint-driven PCB design flow endorsed by customers since 2001
 - Predictable design cycles
 - Accelerate time-to-volume production
 - Early prototyping with Sigrity[™] from Allegro creates robust reusable PCB constraint IP
- Sigrity tool's unique power-aware SI/PI analysis and signoff ensures designs work right the first time
 - Accelerate time-to-volume production
 - Validate multi-gigabit interfaces are compliant
 - Eliminate prototype iterations
 - Reduce end-product cost by optimizing decoupling capacitors

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Driving the future of innovation help you build great products

Vision and leadership Financial strength Broad portfolio Commitment to innovation Customer success



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