



The Low Power Programmable Leader

Second Quarter, 2020

Safe Harbor

This presentation contains forward-looking statements that involve estimates, assumptions, risks and uncertainties, including statements relating to our expectations about our systems solutions' offerings under the heading "Future" .

Factors that may cause actual results to differ materially from the forward-looking statements in this presentation include those risks more fully described in Lattice's filings with the SEC including its annual report on Form 10-K for the fiscal year ended December 28, 2019 and quarterly filings.

You should not unduly rely on forward-looking statements because actual results could differ materially from those expressed in any forward-looking statements. In addition, any forward-looking statement applies only as of the date on which it is made. The Company does not intend to update or revise any forward-looking statements, whether as a result of events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.

Agenda

1 **Company Overview**

2 **Products & Solutions**

3 **End-Markets & Applications**

4 **Financials**

Our Mission

The Low Power Programmable Leader

Lattice Semiconductor Overview

APPLICATIONS & MARKETS

We enable secure control, flexible connectivity, and low power compute acceleration



COMMUNICATIONS
& COMPUTING

39%



INDUSTRIAL &
AUTOMOTIVE

37%



CONSUMER &
BROADCAST

24%


CISCO

DELL

NOKIA


amazon

BOSCH

SIEMENS


Panasonic

SAMSUNG

SONY

WORLD CLASS SUPPLIER

In business and innovating for 35 years

\$404M
2019 revenue

1 BILLION+
shipped last 4 years

GLOBAL SUPPORT



Lattice Executive Leadership Team



Jim Anderson
CEO



Mark Nelson
Sales



Esam Elashmawi
Marketing & Strategy



Steve Douglass
Research & Development



Glenn O'Rourke
Operations



Sherri Luther
CFO



Byron Milstead
General Counsel



Terese Kemble
Human Resources

Agenda

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Products & Solutions

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Financials

Lattice Value Proposition

Smallest
SIZE



Lowest
POWER



Highest
SECURITY



RELIABLE
by Design



EASE
of Use



Lattice Product Portfolio

BROAD FAMILY OF LOW POWER FGAs

GENERAL PURPOSE

Addresses a broad range of applications across multiple markets

- Up to 150K LUTs in 10x10 mm csfBGA
- Highest density & lowest power SERDES in smallest package



FPGA FAMILIES TAILORED FOR SPECIFIC NEEDS

VIDEO CONNECTIVITY

Optimized for high speed video and sensor applications

- First FPGA with hardened MIPI D-PHY
- Highest performance at lowest power



ULTRA LOW POWER

World's lowest power FGAs; Optimized for small form factor

- Static current as low as 25 uA
- World's most popular ultra-low power FPGA



CONTROL & SECURITY

Optimized for platform management & security applications

- 50% market share
- Highest I/O density



AVAILABLE NOW

LATTICE NEXUS

Next Generation FD-SOI FPGA Platform

- Low power leadership
- Edge computing ready
- Robust and reliable
- Smallest form factor
- Faster innovation cadence

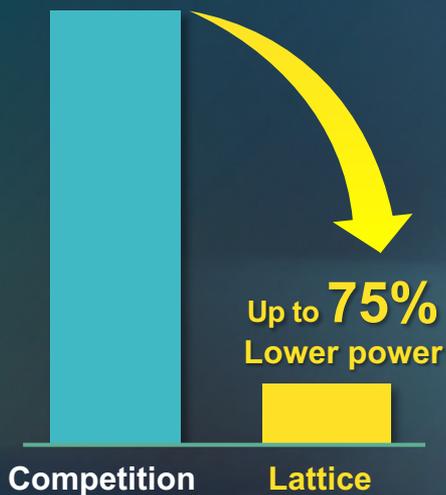


Lattice Nexus is Changing the FPGA Landscape



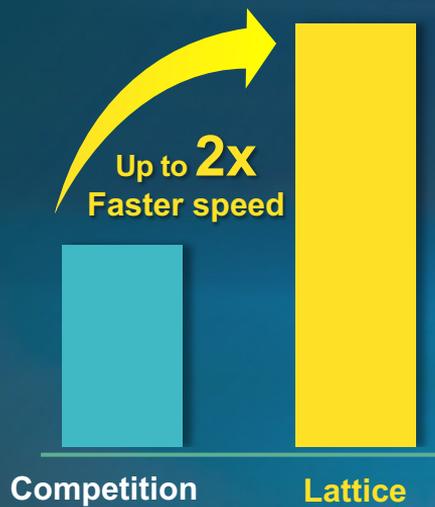
POWER

Operating Power Consumption



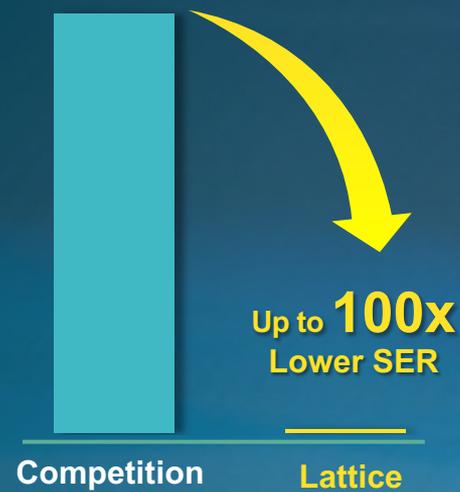
PERFORMANCE

Video Connectivity



RELIABILITY

Soft Error Rate



Lattice's Expanded System Solutions



Bringing Additional Value to Our Customers

New Low Power Silicon

CrossLink-NX



Embedded Vision Processing

Built on the Lattice Nexus Platform

Optimized Low Power Architecture

Available now

MachXO3D



Robust Platform Security

Secure Hardware

Designed for NIST Compliance

Customer Samples Delivered

New Value-Added Solutions and Software

Lattice mVision



Low Power Embedded Vision

Flexible Image Sensor Bridging and Aggregation

Image Processing Integration

Complete Solution Enablement

Lattice sensAI



Low Power Edge AI

High Performance Inferencing Under 1W

Supports Industry Standard ML Frameworks

Complete Solution Enablement

Lattice Radiant



Advanced Ease-of-use

Simplified Flow for Faster Design

Increase Re-use with IP Tools

Leading Synthesis & Simulation

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Financials

Positioned in Growing End Markets

COMMUNICATIONS



5G Wireless

Switches/Routers

COMPUTE



Servers

Client

INDUSTRIAL



Industrial IoT

Factory Automation

AUTOMOTIVE



ADAS

Infotainment

CONSUMER



Smart Home

Wearables

Only Lattice is investing in small, low power FPGAs for these markets

Lattice Solves Communications Challenges



**SCALABLE HARDWARE
MANAGEMENT**



SECURE CONTROL



ASIC BRIDGING



PCIe BRIDGING

Lattice Solves Data Center Challenges



PLATFORM FIRMWARE RESILIENCE



SYSTEM CONTROL

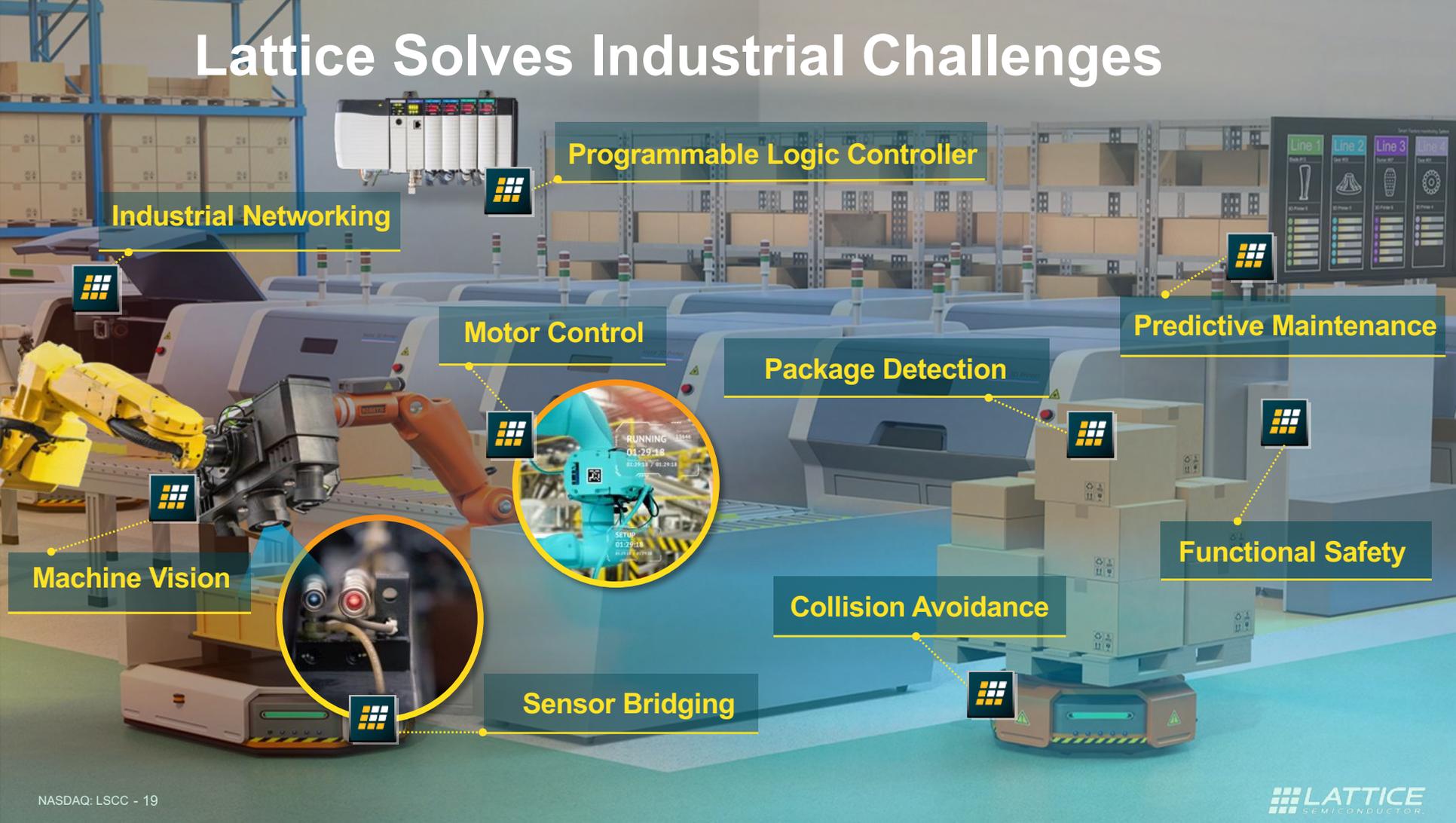


COMPUTE ACCELERATION



POWER SEQUENCING

Lattice Solves Industrial Challenges



Industrial Networking

Programmable Logic Controller

Motor Control

Package Detection

Predictive Maintenance

Machine Vision

Functional Safety

Collision Avoidance

Sensor Bridging

Lattice Solves Automotive Challenges

EV CAR

Motor Control

IGBT Protection



E-MIRROR

De-Fog

ISP



INFOTAINMENT

Audio Bridging

Display Bridging

Driver Monitoring

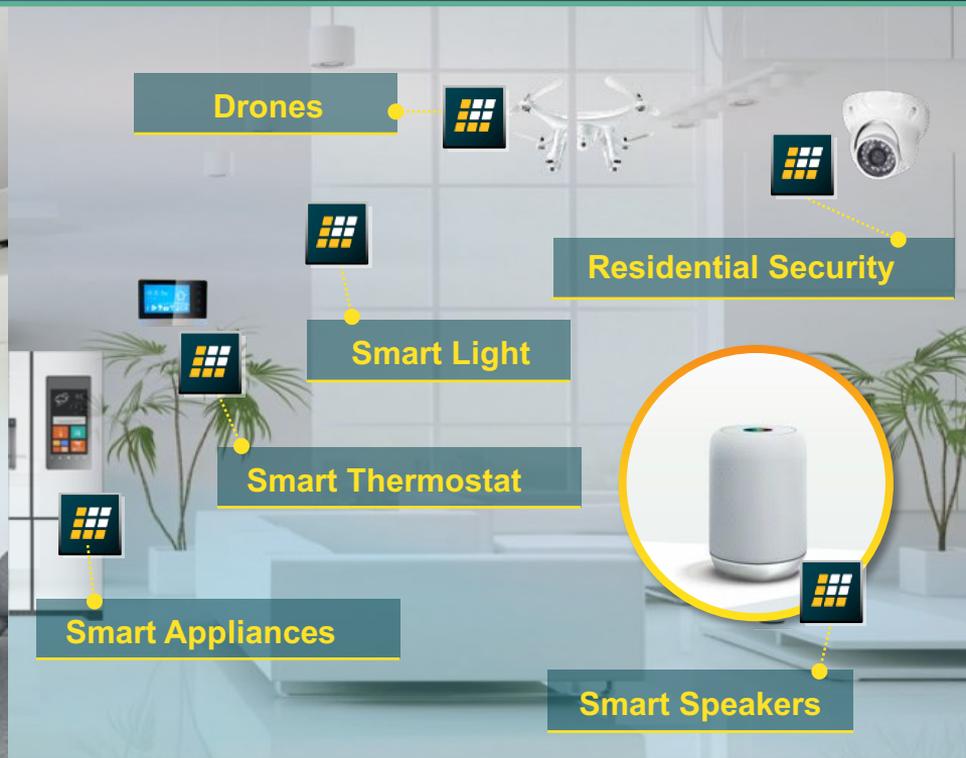
360° Surround View

ADAS

Image Sensor Bridging and Aggregation

Radar Sensor Bridging and Aggregation

Lattice Solves Consumer Challenges



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Financial Highlights

REVENUE (\$M)



NET INCOME (\$M)



CASH (\$M)



DEBT (\$M)





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