LATTICE
SEMICONDUCTOR ®

The Low Power Programmable Leader

Second Quarter, 2020

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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.

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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%

GLOBAL SUPPORT

● Sales Support   ● Development Ctr.   ● Operations Ctr.

WORLD CLASS SUPPLIER

In business and innovating for 35 years

#1
World's largest volume supplier of FPGA

1 BILLION+
shipped last 4 years

Best SER
Industry Leading Reliability
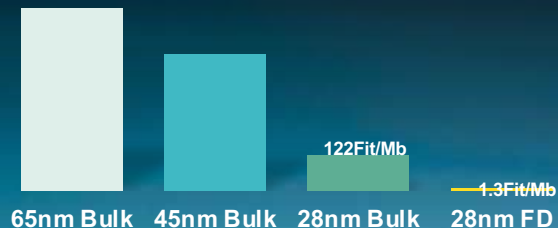
28nm FDSOI SER

122Fit/Mb

1.3Fit/Mb

65nm Bulk   45nm Bulk   28nm Bulk   28nm FD

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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

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Lattice Value Proposition

Smallest **SIZE**

Lowest **POWER**

Highest **SECURITY**

RELIABLE by Design

EASE of Use

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Lattice Product Portfolio

BROAD FAMILY OF LOW POWER FPGAs

GENERAL PURPOSE

Addresses a broad range of applications across multiple markets

- Lowest power and smallest package (6 x 6 mm) with 5G PCIe & GigE support
- Up to 150K LUTs with significant compute under 1 W and lowest power 5G SERDES

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 FPGAs; 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

LATTICE RADIANT DESIGN SOFTWARE

LATTICE DIAMOND DESIGN SOFTWARE

LATTICE PROPEL™

LATTICE SEMICONDUCTOR

Lattice Nexus is Changing the FPGA Landscape

Note: comparing similar class competitive devices
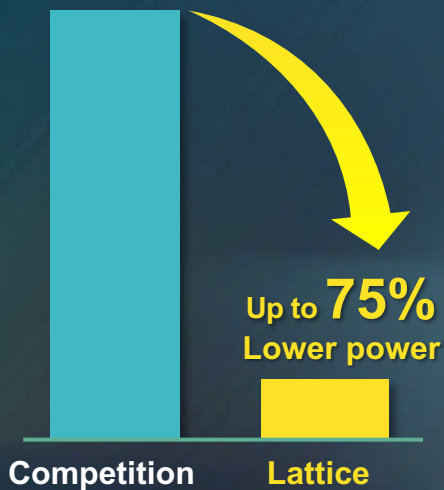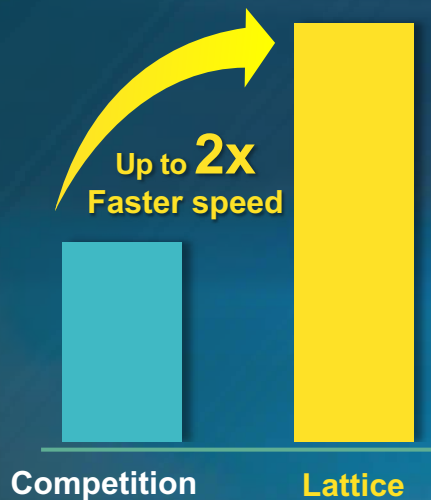
Lattice's Expanded System Solutions

FUTURE

More Solutions Stacks

Security Solutions Stack

Vision Solutions Stack

AI Solutions Stack

Soft IP

Lattice Radiant SW

TODAY

Vision Solutions Stack

AI Solutions Stack

Soft IP

Lattice Radiant SW

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

Available now

Certus-NX

General Purpose Processing

Built on the Lattice Nexus Platform

Lowest power & smallest package with 5G PCIe

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

Lattice Propel

Easy Processor System Design

IP System Integration Environment

Software Development Kit & Libraries

Build, Compile, Analyze, Debug

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Positioned in Growing End Markets

COMMUNICATIONS	COMPUTE	INDUSTRIAL	AUTOMOTIVE	CONSUMER
5G Wireless	Servers	Industrial IoT	ADAS	Smart Home
Switches/Routers	Client	Factory Automation	Infotainment	Wearables

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

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Lattice Solves Communications Challenges

SCALABLE HARDWARE MANAGEMENT
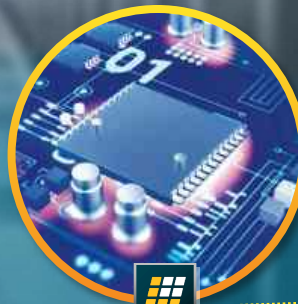
SECURE CONTROL

ASIC BRIDGING

PCIe BRIDGING

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Lattice Solves Data Center Challenges

PLATFORM FIRMWARE RESILIENCE

SYSTEM CONTROL

COMPUTE ACCELERATION

POWER SEQUENCING

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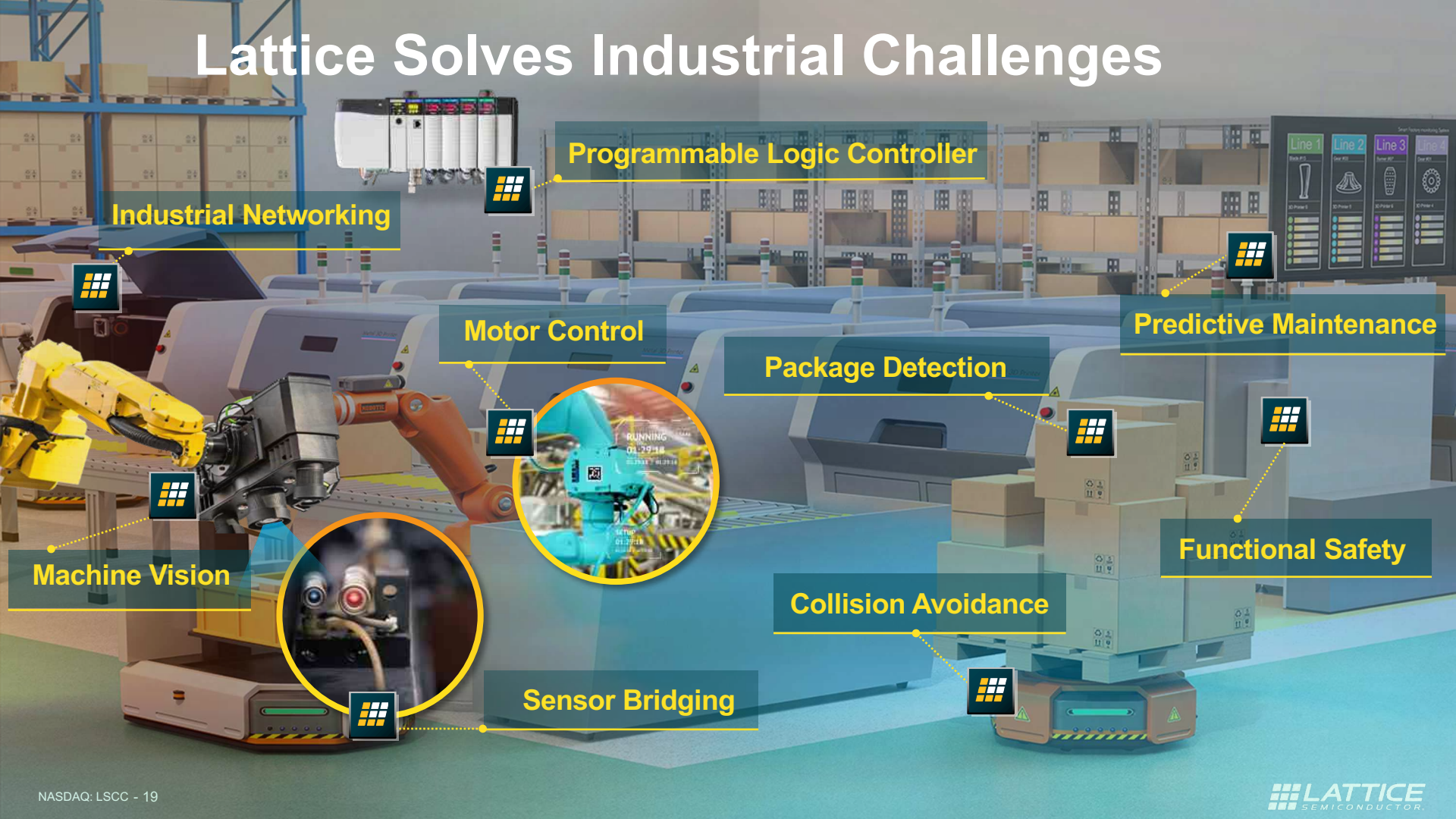SEMICONDUCTOR.

Lattice Solves Industrial Challenges

Programmable Logic Controller

Industrial Networking

Motor Control

Predictive Maintenance

Package Detection

Machine Vision

Functional Safety

Collision Avoidance

Sensor Bridging

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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

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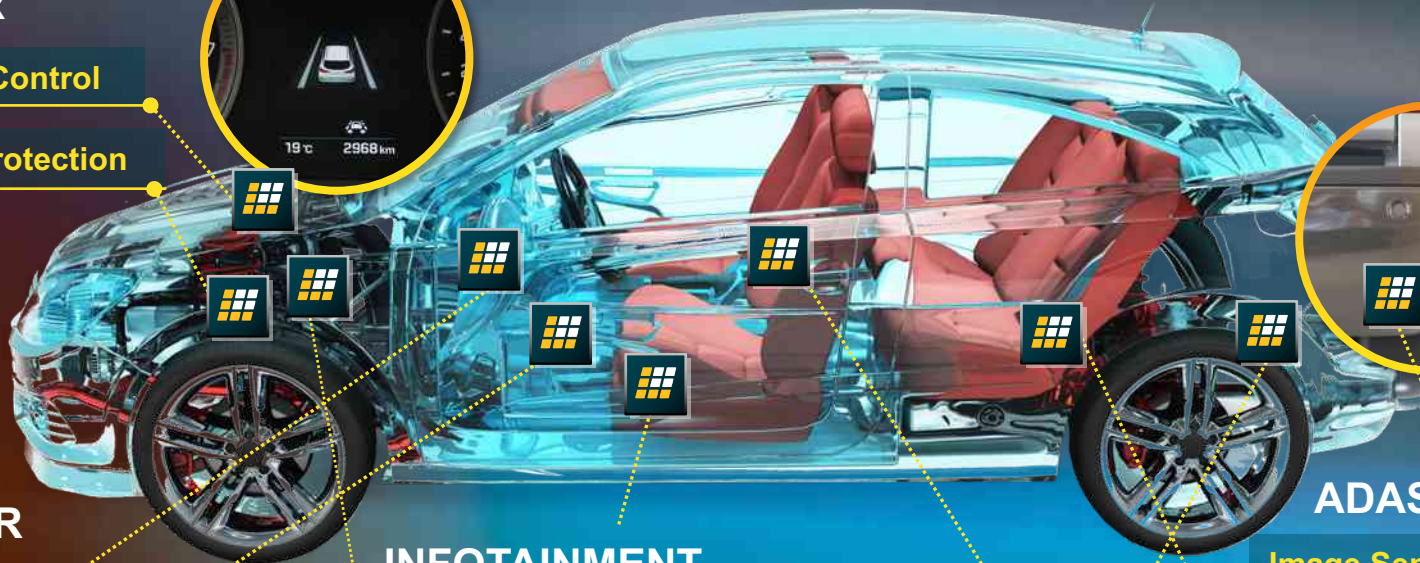
Lattice Solves Consumer Challenges

High end Projectors

Sound Bars

AR / VR

Drones

Residential Security

Smart Light

Smart Thermostat

Smart Appliances

Smart Speakers

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Financial Highlights

REVENUE ($M)

2Q19	3Q19	4Q19	Q1'20
102.3	103.5	100.2	97.3

NET INCOME ($M)

2Q19	3Q19	4Q19	Q1'20
21.1	22.9	22.9	20.2

Non-GAAP

CASH ($M)

2Q19	3Q19	4Q19	Q1'20
122.6	97.4	118.1	176.6

DEBT ($M)

2Q19	3Q19	4Q19	Q1'20
189.5	156.4	146.5	192.3

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