



The Low Power Programmable Leader

Fourth 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

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Company Overview

2

Products & Solutions

3

End-Markets & Applications

4

Financials

The background is a dark blue, abstract digital landscape. It features a grid of small, glowing blue cubes or pixels. Overlaid on this grid are several bright red lines that intersect at various points, creating a sense of depth and connectivity. The overall effect is reminiscent of a complex circuit board or a data network visualization.

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

43%



INDUSTRIAL &
AUTOMOTIVE

41%



CONSUMER &
LICENSING SERV.

16%

WORLD CLASS SUPPLIER

In business and innovating for 35 years

#1

World's largest volume
supplier of FPGA

1 BILLION+

Shipped in the
last 4 years



GROWING CUSTOMER BASE



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

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Lattice Value Proposition

Smallest
SIZE



Lowest
POWER



Highest
SECURITY



RELIABLE
by Design



EASE
of Use



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



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

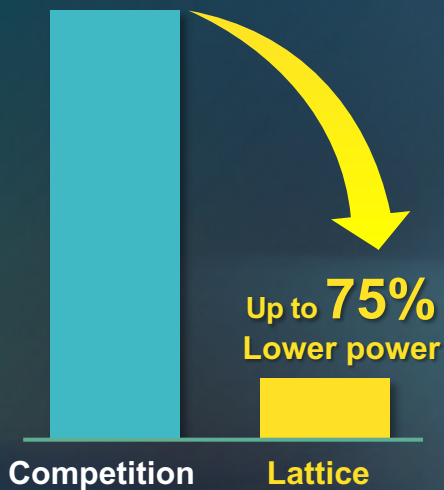


Lattice Nexus is Changing the FPGA Landscape



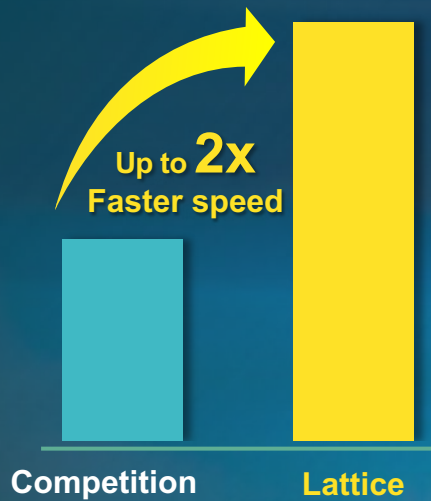
POWER

Operating Power Consumption



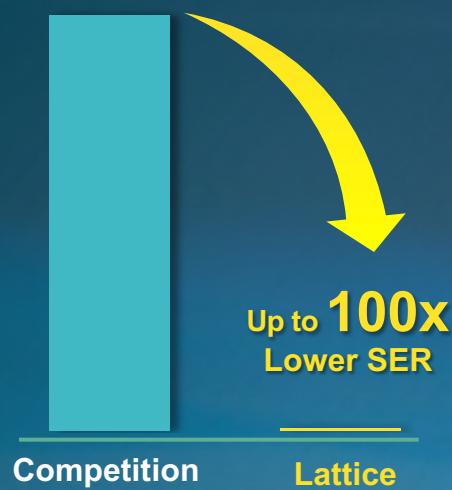
PERFORMANCE

Video Connectivity



RELIABILITY

Soft Error Rate



Lattice's Expanded System Solutions



Bringing Additional Value to Our Customers

New Nexus-based Low Power Silicon

CrossLink-NX



Embedded Vision Processing

Built on the Lattice Nexus Platform

Optimized Low Power Architecture

Available now

Certus-NX



General Purpose Processing

Built on the Lattice Nexus Platform

Lowest power & smallest package with 5G PCIe

Available now

Mach-NX



Next Gen Hardware Security

Cyber Resilient System Control

Dynamic End-to-End Firmware Protection

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

Agenda

- 1 Company Overview
- 2 Products & Solutions
- 3 End-Markets & Applications**
- 4 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

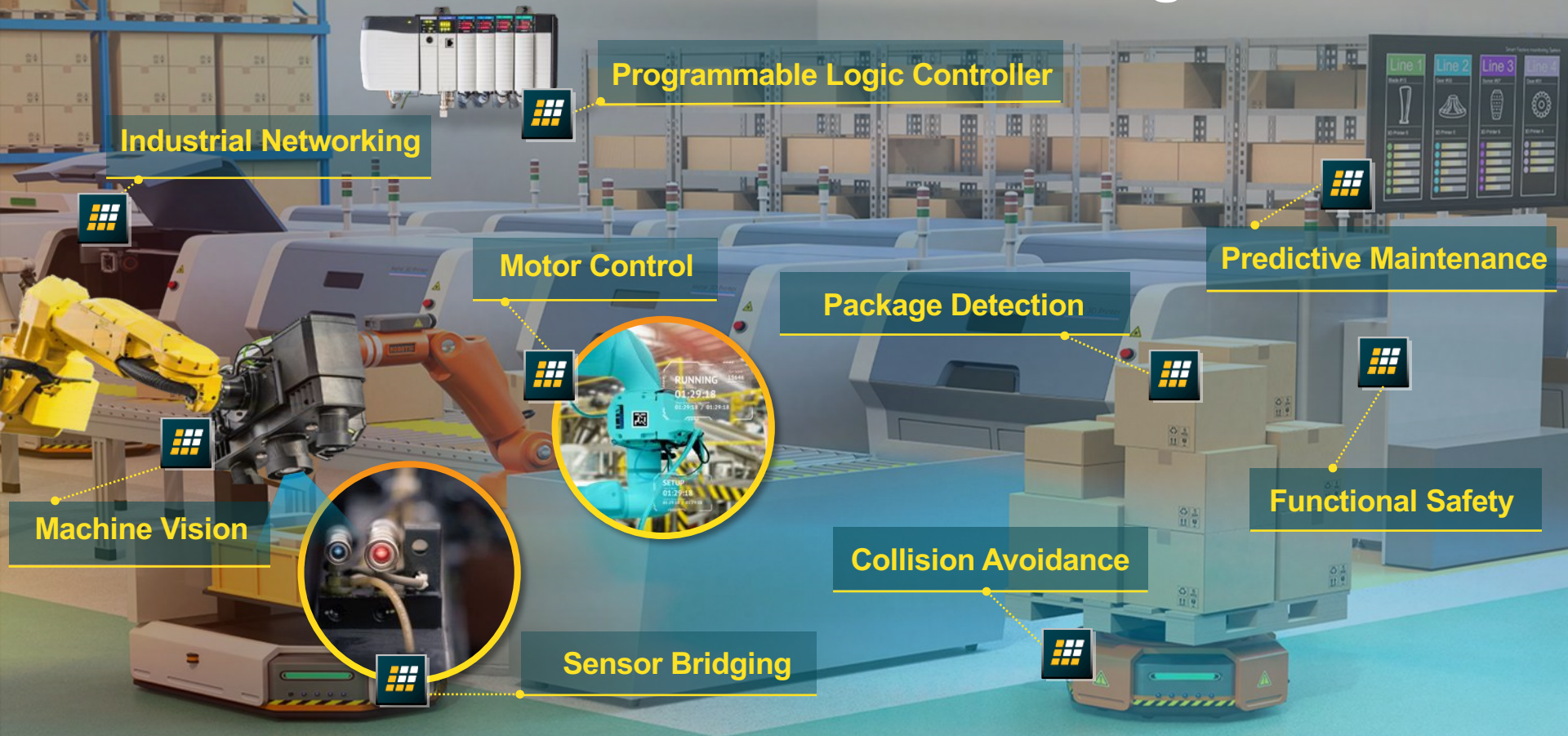


COMPUTE ACCELERATION



POWER SEQUENCING

Lattice Solves Industrial Challenges



Lattice Solves Automotive Challenges

EV CAR

Motor Control

IGBT Protection



E-MIRROR

De-Fog

ISP



INFOTAINMENT

Audio Bridging

Display Bridging

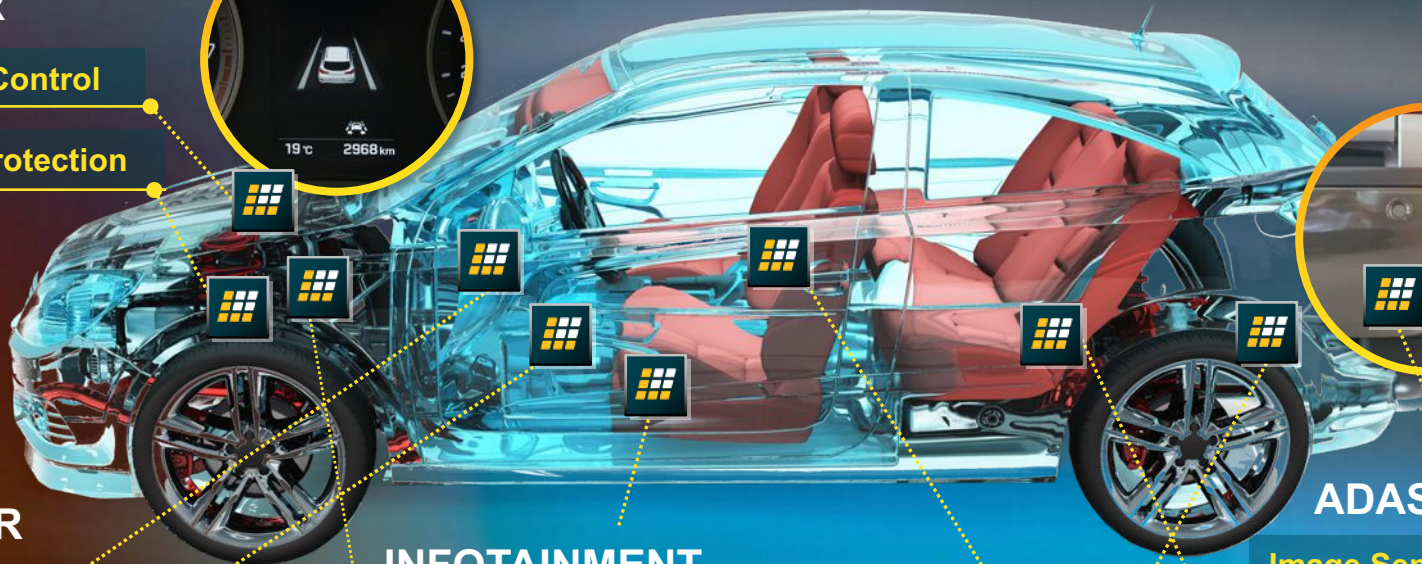
Driver Monitoring

360° Surround View

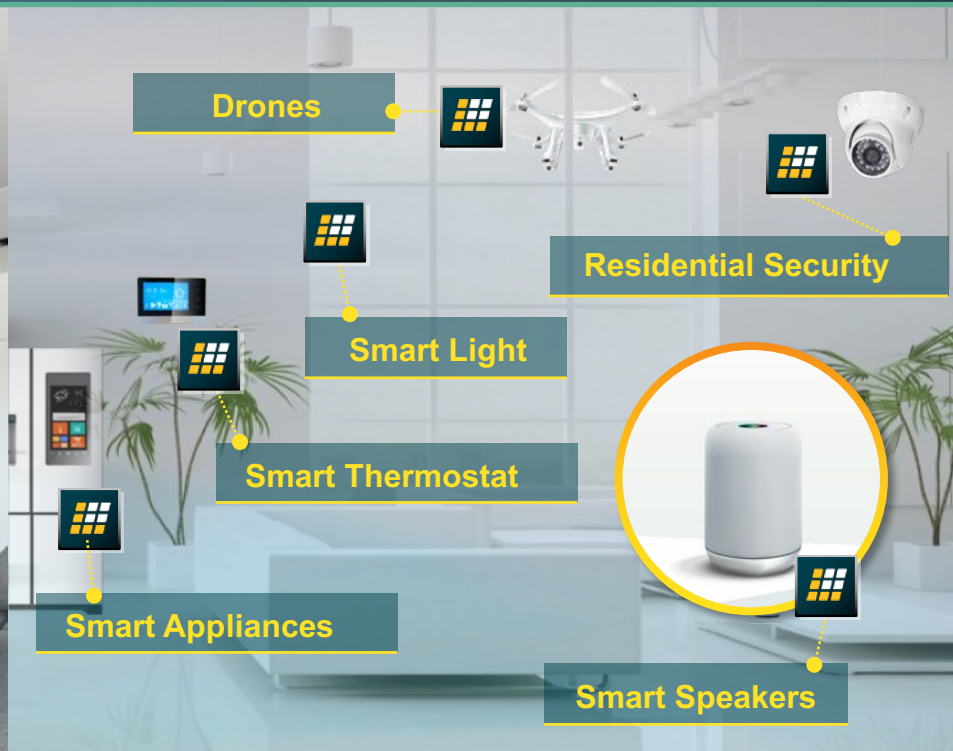
ADAS

Image Sensor Bridging and Aggregation

Radar Sensor Bridging and Aggregation



Lattice Solves Consumer Challenges



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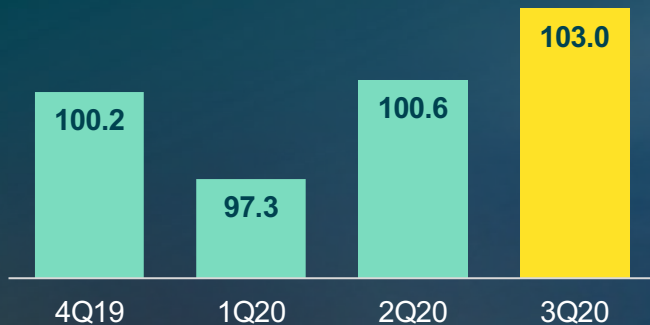
End-Markets & Applications

4

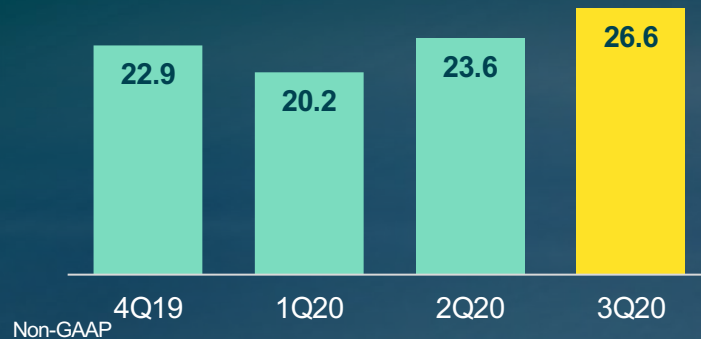
Financials

Financial Highlights

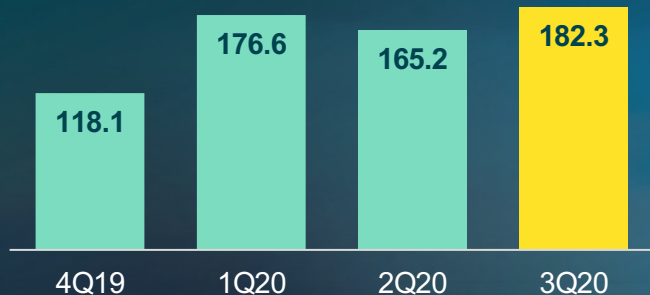
REVENUE (\$M)



NET INCOME (\$M)



CASH (\$M)



DEBT (\$M)





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