The Low Power Programmable Leader

First Quarter, 2021

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 January 2, 2021 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.

LATTICE
SEMICONDUCTOR.

Agenda

1   **Company Overview**

2   Products & Solutions

3   End-Markets & Applications

4   Financials

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
46%

CONSUMER & LICENSING SERVICES
15%

WORLD CLASS SUPPLIER

In business and innovating for 38 years

#1
World's largest volume supplier of FPGA

1 BILLION+
Shipped in the last 4 years

GSA 2020 AWARDS WINNER

THE ELECTRONICS INDUSTRY AWARDS
IoT Product of the Year
LATTICE sensAI

ELECTRONICS MAKER
BEST OF INDUSTRY AWARDS 2020
Best FPGA Award

AI Breakthrough Awards
LATTICE sensAI
Best AI-Based Solution for Engineering

GROWING CUSTOMER BASE

NOKIA

DELL

ERICSSON

ZTE

BOSCH

Panasonic

amazon

Hewlett Packard Enterprise

POLAR

SIEMENS

Google

SONY

FUJITSU

NOKIA

BYD

SAMSUNG

FUJITSU

Microsoft

HITACHI

H3C

GLOBAL SUPPORT

Sales Support   Development Ctr.   Operations Ctr.

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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

Next Generation FD-SOI FPGA Platform

- Low power leadership

- Edge computing ready

- Robust and reliable

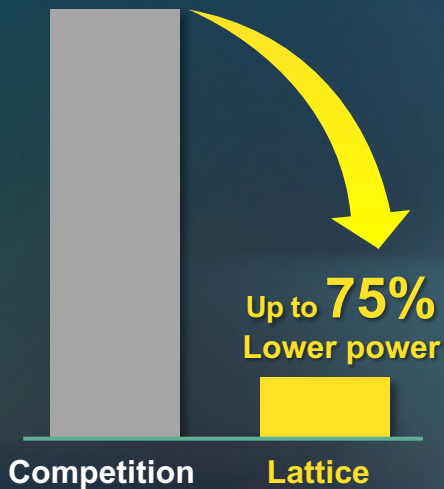- Smallest form factor
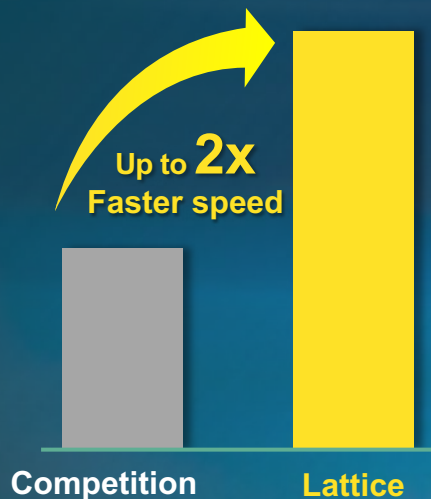
- Faster innovation cadence

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Lattice Nexus is Changing the FPGA Landscape

POWER

Operating Power Consumption

Up to **75%** Lower power

Competition | Lattice

PERFORMANCE

Video Connectivity

Up to **2x** Faster speed

Competition | Lattice

RELIABILITY

Soft Error Rate

Up to **100x** Lower SER

Competition | Lattice

Note: comparing similar class competitive devices

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Lattice's Expanded System Solutions

FUTURE

- More Solutions Stacks
- Security Solutions Stack
- Vision Solutions Stack
- AI Solutions Stack
- Soft IP
- Lattice Radiant SW

TODAY

- Security Solutions Stack
- Vision Solutions Stack
- AI Solutions Stack
- Soft IP
- Lattice Radiant SW

Bringing Additional Value to Our Customers

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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

Engineering samples available now

Value-Added Solutions

Lattice sensAI

**Low Power
Edge AI**

High Performance Inferencing
Under 1W

Supports Industry Standard ML
Frameworks

Complete Solution Enablement

Lattice mVision

**Low Power
Embedded Vision**

Flexible Image Sensor
Bridging & Aggregation

Image Processing Integration

Complete Solution Enablement

Lattice Sentry

**Protect with
Dynamic Trust**

Secure Hardware Creates
Root-of-Trust for Systems

Cryptographically Secured
Supply Chain

Protection Against Cloning,
Counterfeiting, Trojan Insertion,
& Simulation

Easy-to-use, Value-added Software

Lattice Diamond

Powerful FPGA Design &
Verification Environment

Easy Design Exploration

Easy to Use Powerful Tools

Optimized for Lattice Devices

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
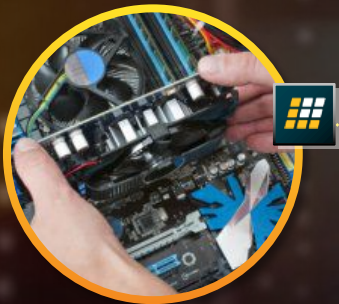
COMPUTE ACCELERATION

POWER SEQUENCING

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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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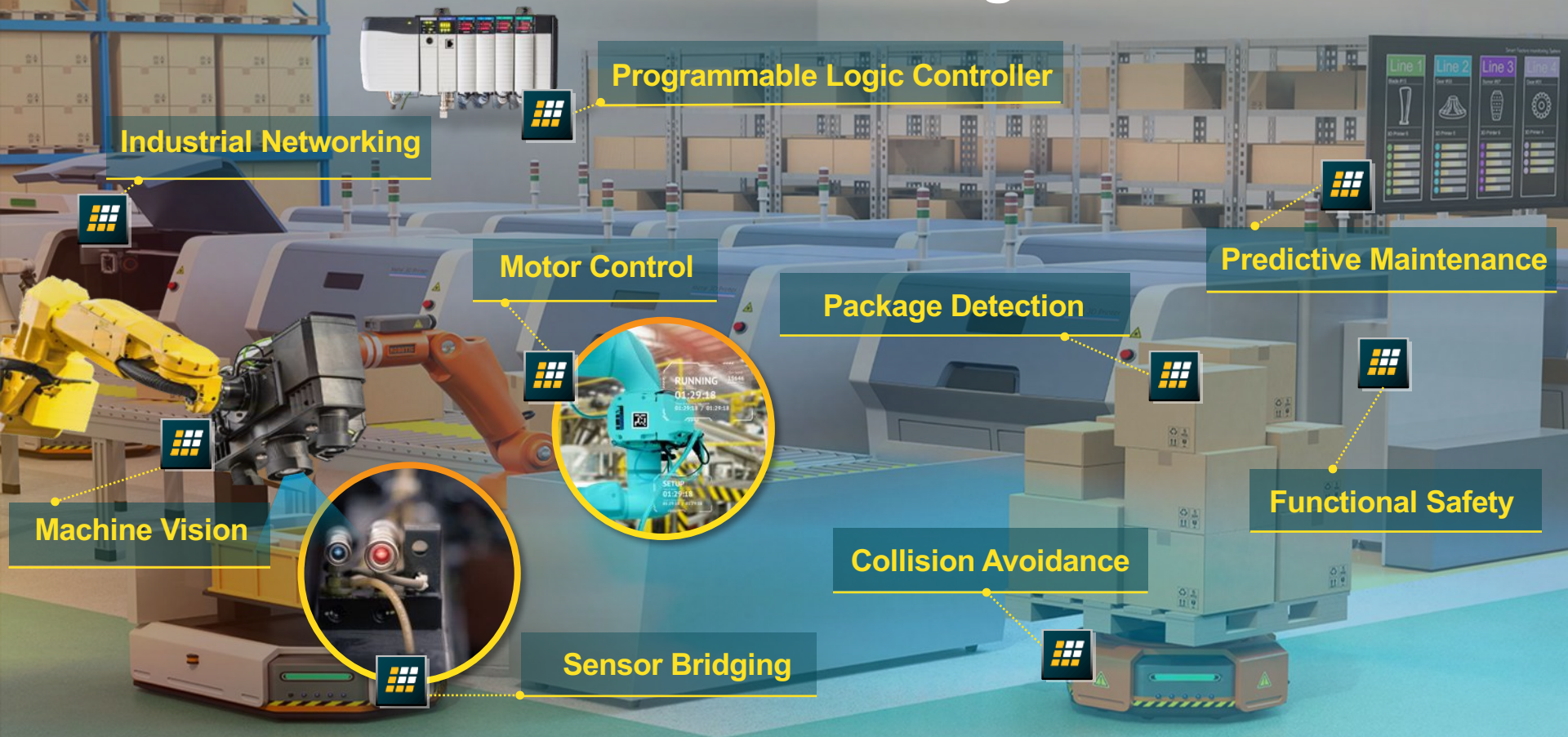
Lattice Solves Automotive Challenges

EV CAR

Motor Control

IGBT Protection

E-MIRROR

De-Fog

ISP

INFOTAINMENT

Audio Bridging
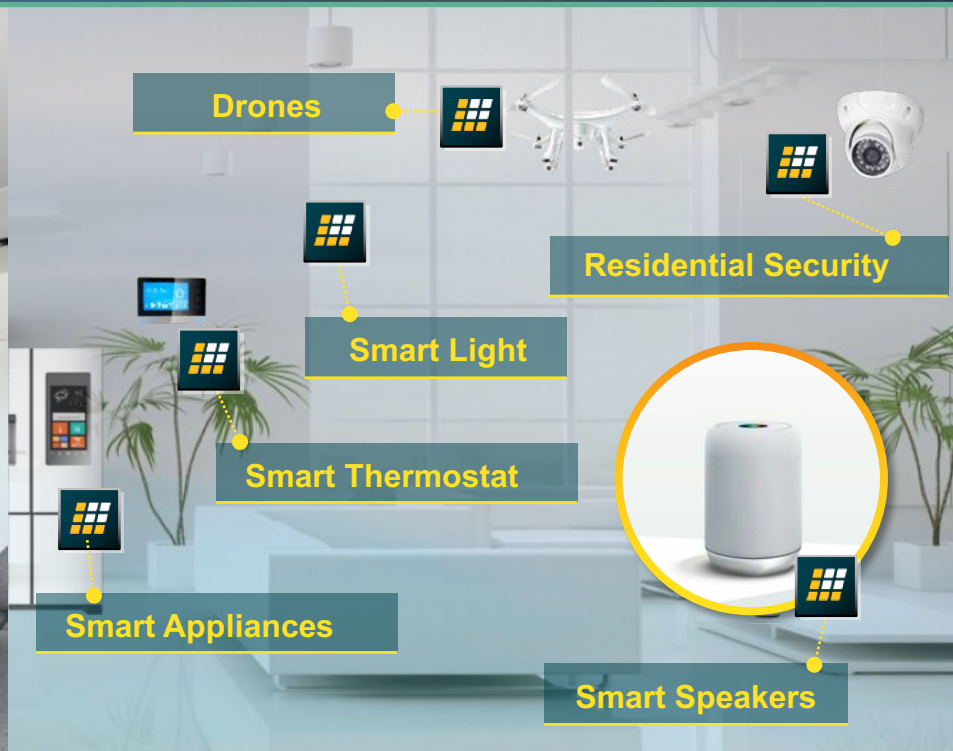
Display Bridging

Driver Monitoring

360° Surround View

ADAS

Image Sensor Bridging and Aggregation

Radar Sensor Bridging and Aggregation
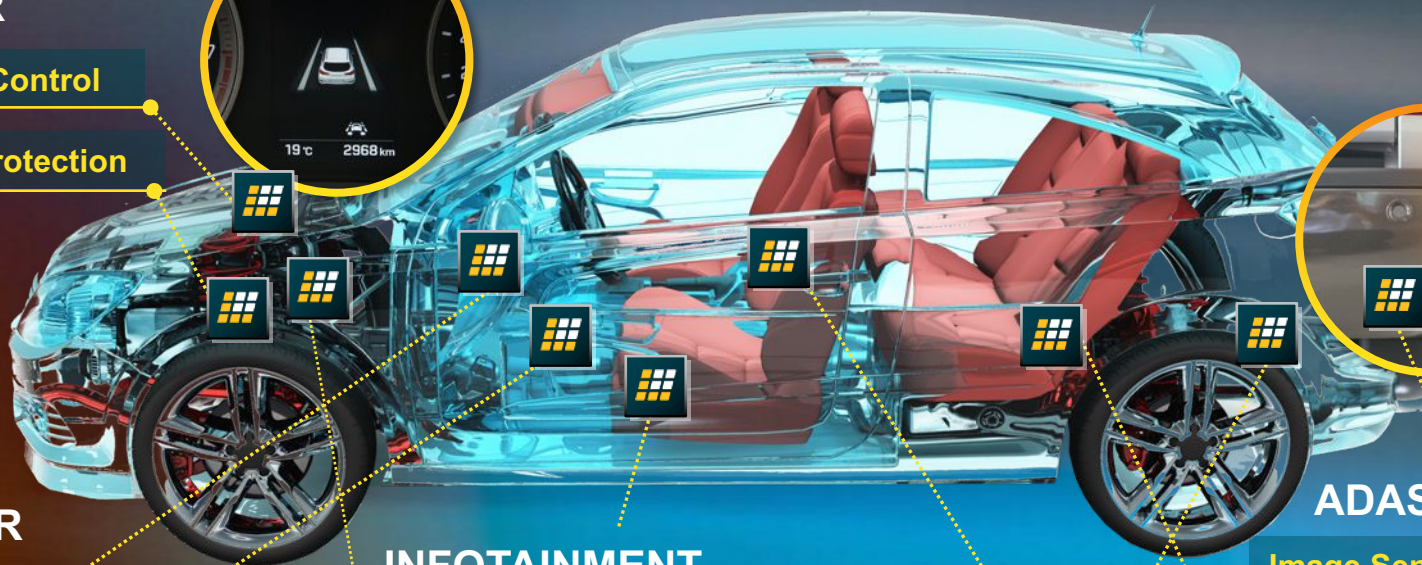
Lattice Solves Consumer Challenges

High end Projectors

Sound Bars

AR / VR

Drones

Smart Light

Residential Security

Smart Thermostat

Smart Appliances

Smart Speakers

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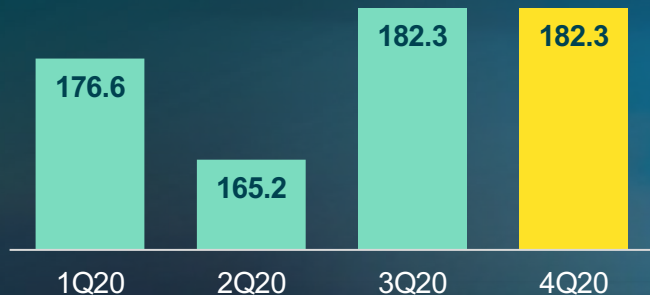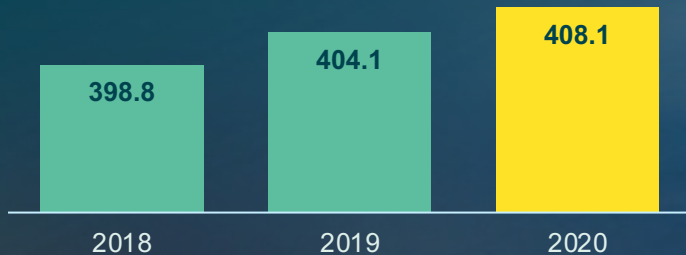4. **Financials**

Q4'20 Financial Highlights

REVENUE ($M)
- 1Q20: 97.3
- 2Q20: 100.6
- 3Q20: 103.0
- 4Q20: 107.2

NET INCOME ($M)
- 1Q20: 20.2
- 2Q20: 23.6
- 3Q20: 26.6
- 4Q20: 27.5

Non-GAAP

CASH ($M)
- 1Q20: 176.6
- 2Q20: 165.2
- 3Q20: 182.3
- 4Q20: 182.3

DEBT ($M)
- 1Q20: 192.3
- 2Q20: 170.5
- 3Q20: 170.6
- 4Q20: 170.7

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FY'20 Financial Highlights
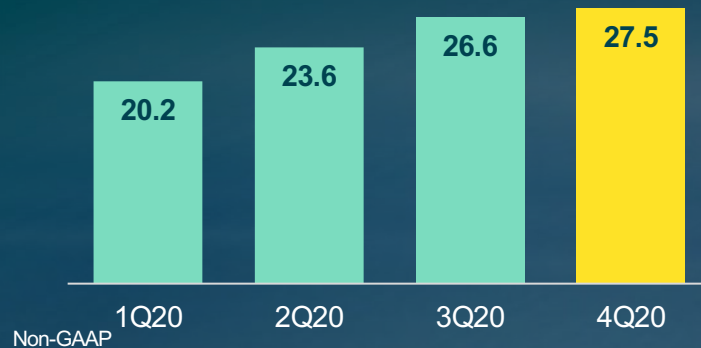
REVENUE ($M)
- 2018: 398.8
- 2019: 404.1
- 2020: 408.1

NON-GAAP GROSS MARGIN (%)
- 2018: 57.2%
- 2019: 59.3%
- 2020: 61.0%
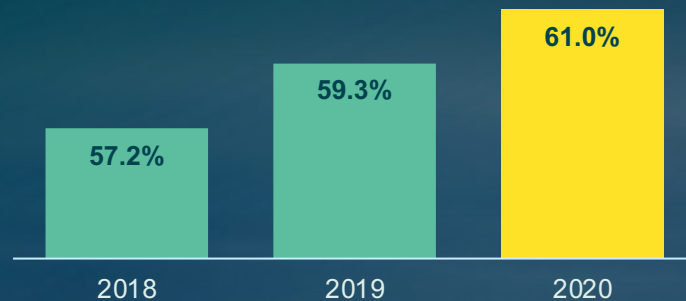
NON-GAAP OPERATING EXPENSE ($M)
- 2018: 161.6
- 2019: 144.7
- 2020: 146.2
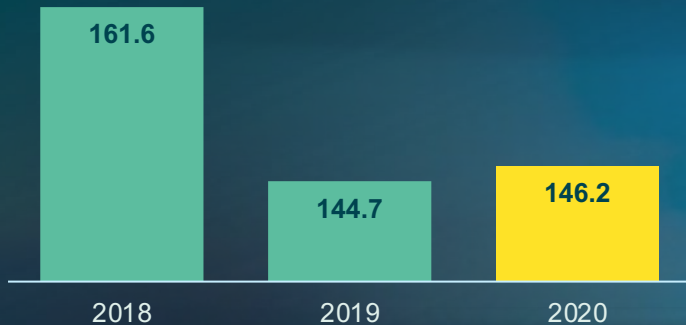
NON-GAAP OPERATING INCOME ($M)
- 2018: 66.6
- 2019: 94.8
- 2020: 102.9

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