



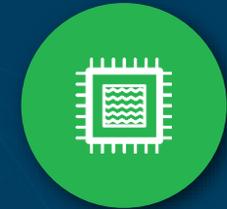
AHEAD OF WHAT'S POSSIBLE™

A Microwave and Millimeter Wave World The Future Is High Frequency

GREG HENDERSON

SVP, AUTOMOTIVE, COMMUNICATIONS, AND
AEROSPACE AND DEFENSE

#1 in High Performance RF, Microwave, and Millimeter Wave Market



Industry's Broadest
Portfolio from DC
to 100 GHz



Complete Signal
Chain Solutions



Multimarket Diversified
Growth



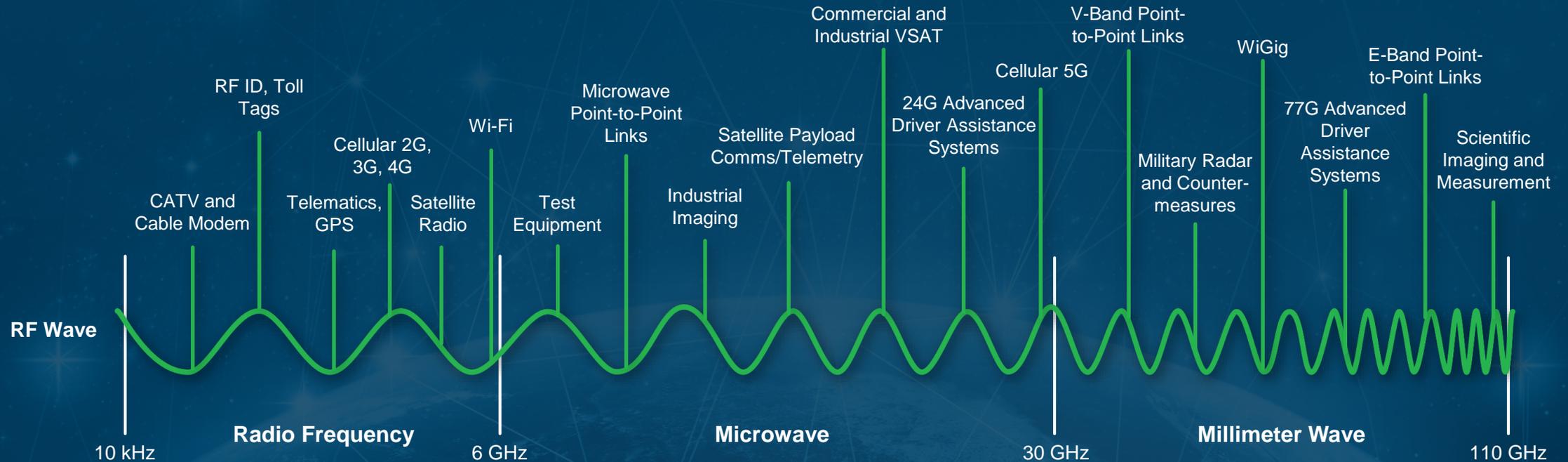
1000s of Customers

Data, Sensing, and Automation Driving \$4 Billion SAM by 2022

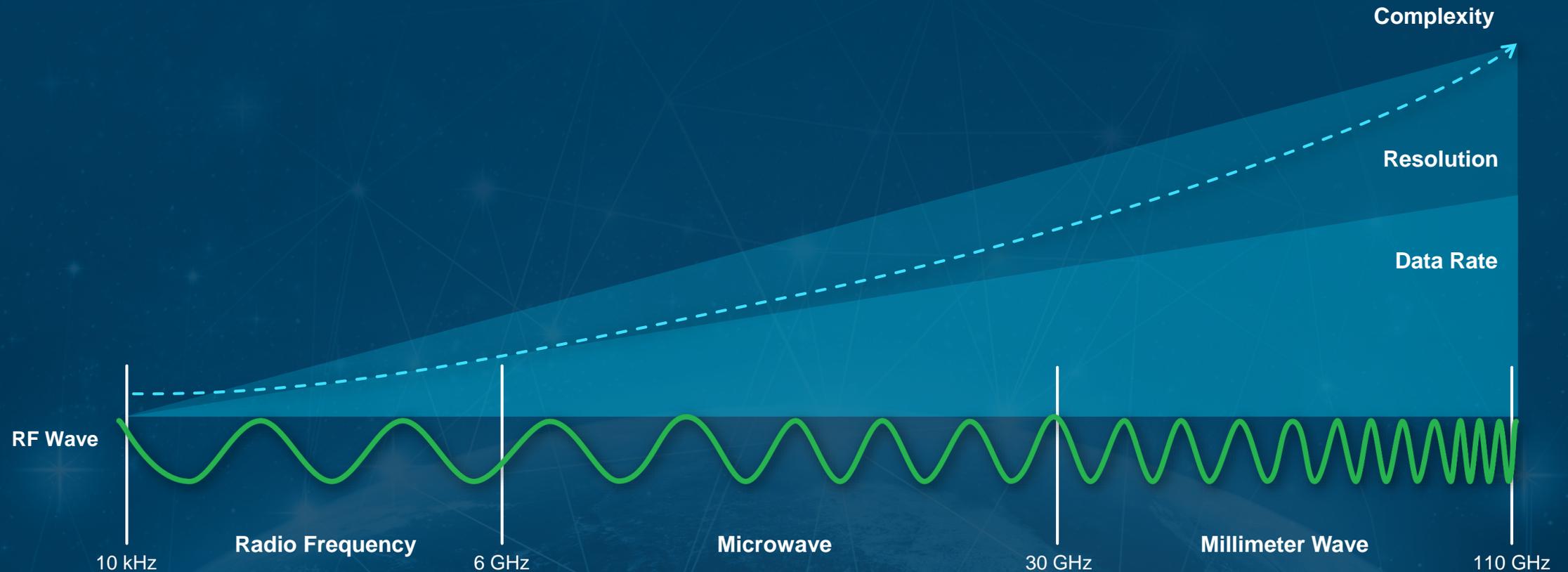


Microwave and Millimeter Wave Applications—The Future Is High Frequency

Microwave and Millimeter Wave Growing at **4x** Traditional RF



Microwave and Millimeter Wave Applications Drive the Future



ADI Strategic Initiatives are Enabling Market Transformation

Initiatives



Enabling Multi-Gbps Communications

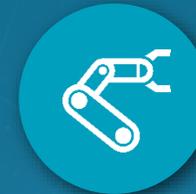


Democratizing Phased Array Solutions



Making Wireless Sensing Ubiquitous

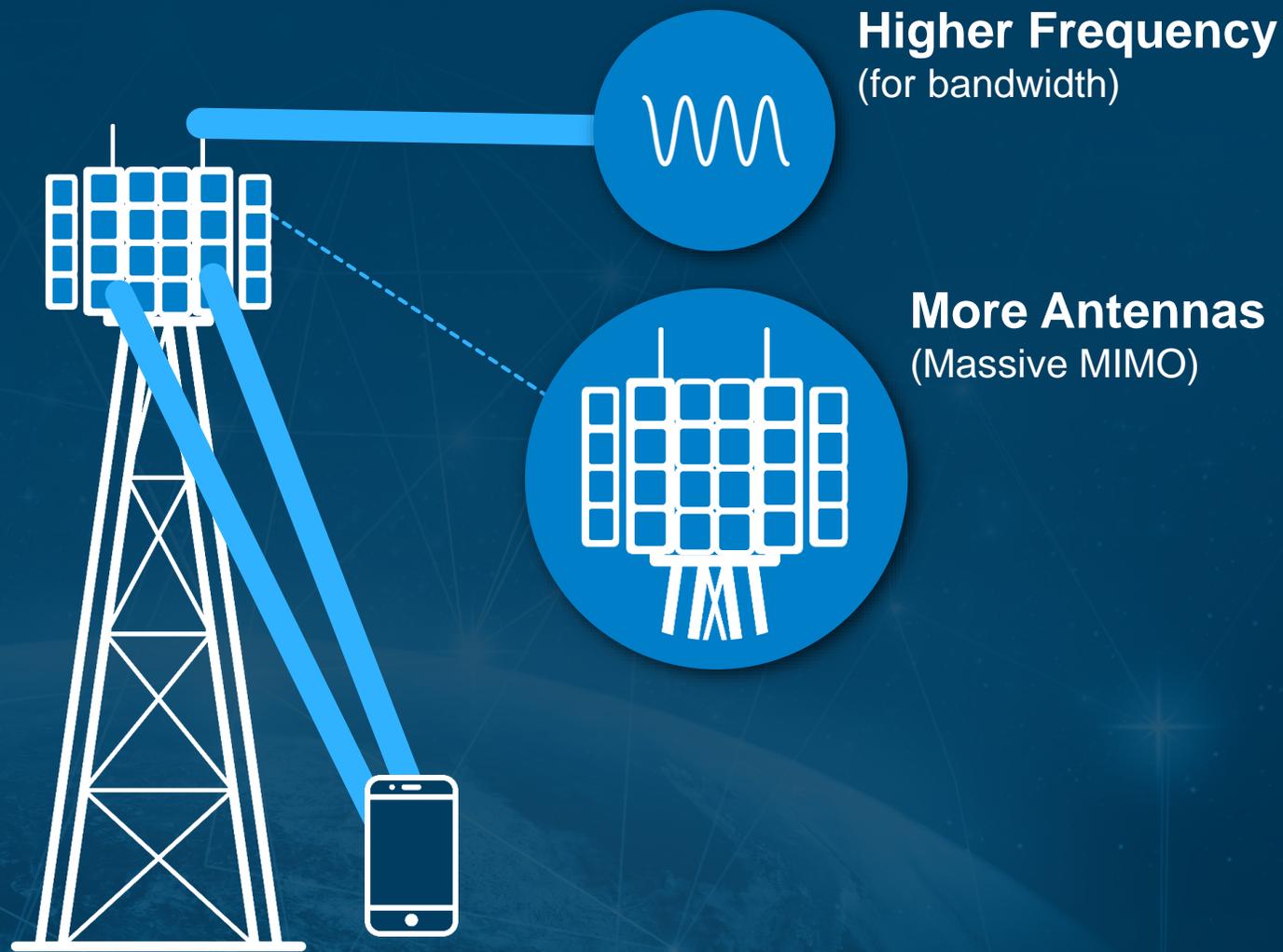
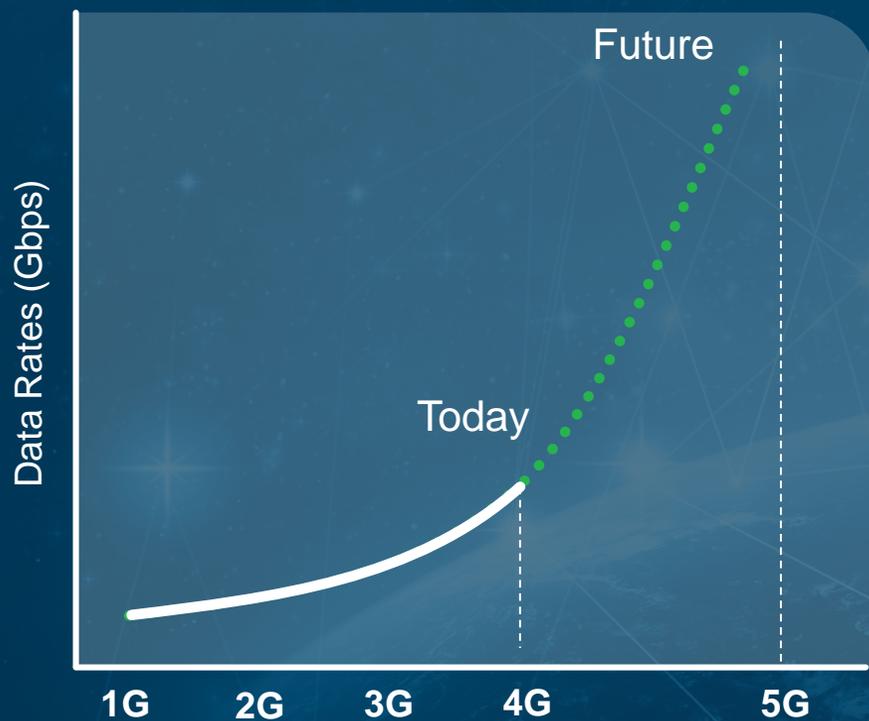
Leverage Across Markets



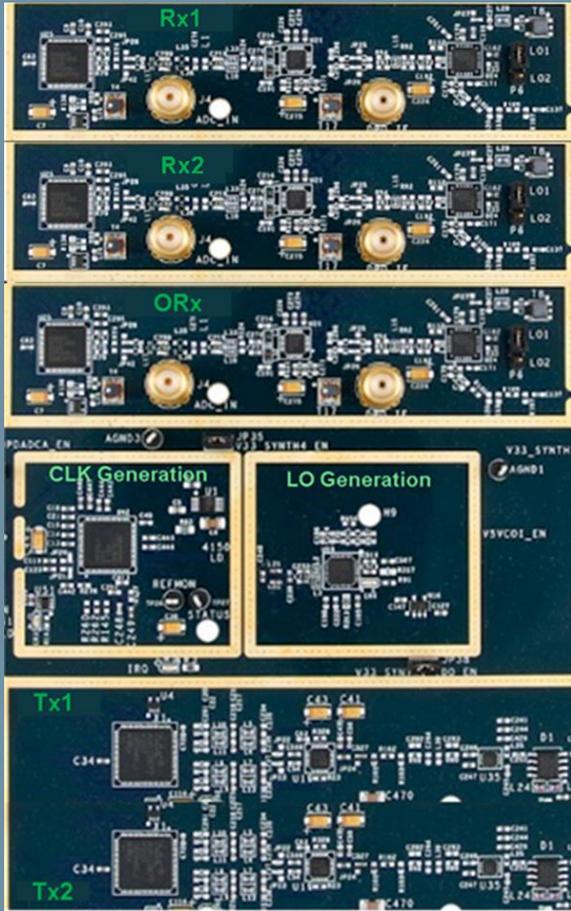
Strategically enabling a smarter and more autonomous world

New Technologies Required for 5G: Enabling Multi-Gigabits

>10x Data
Increase from
4G to 5G



ADI Software-Defined Radios: Transforming Infrastructure/5G



1/10th
the Size

50%

Reduction in Base Station Footprint

6

Months+

Time-to-Market Advantage



Industry-Leading Power Consumption



Common Software-Defined Platform



Designed in Tier-1 Ecosystem for Macro, Small Cell, Massive MIMO

Phased Array: Future of Wireless Communications and Sensing

Traditional Architecture



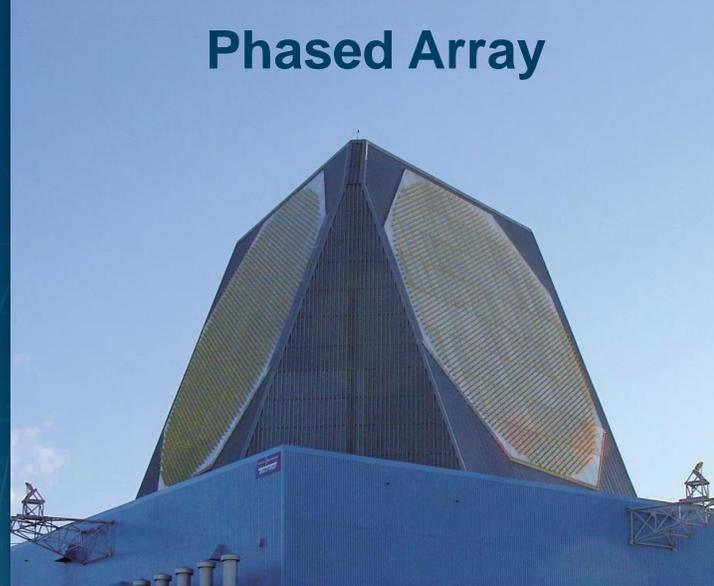
1
Channel/
Systems

Mechanical
Scan

Single
Beam

Radio
Density

Phased Array



>1000
Channel/
System

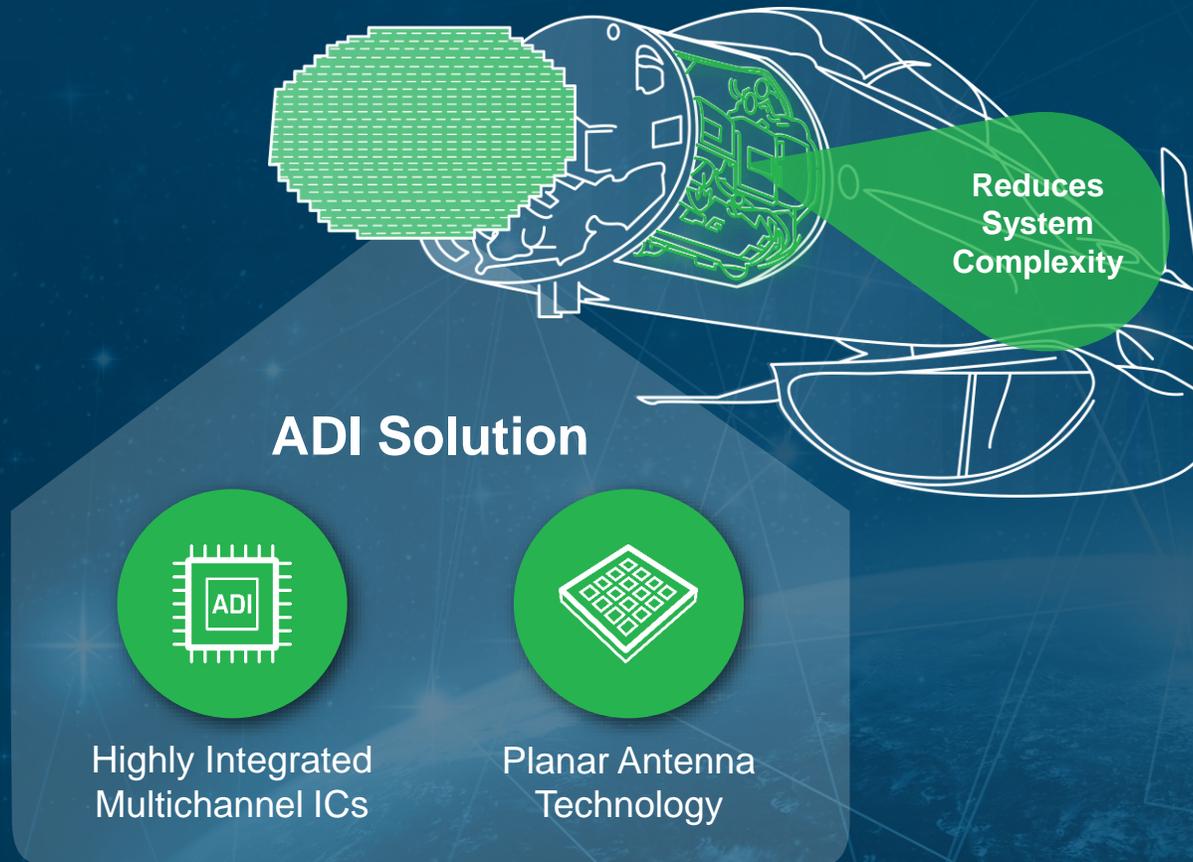
Fully
Electronic

Multibeam
Capable

Radio
Density

Democratizing Phased Array to Drive Market Growth

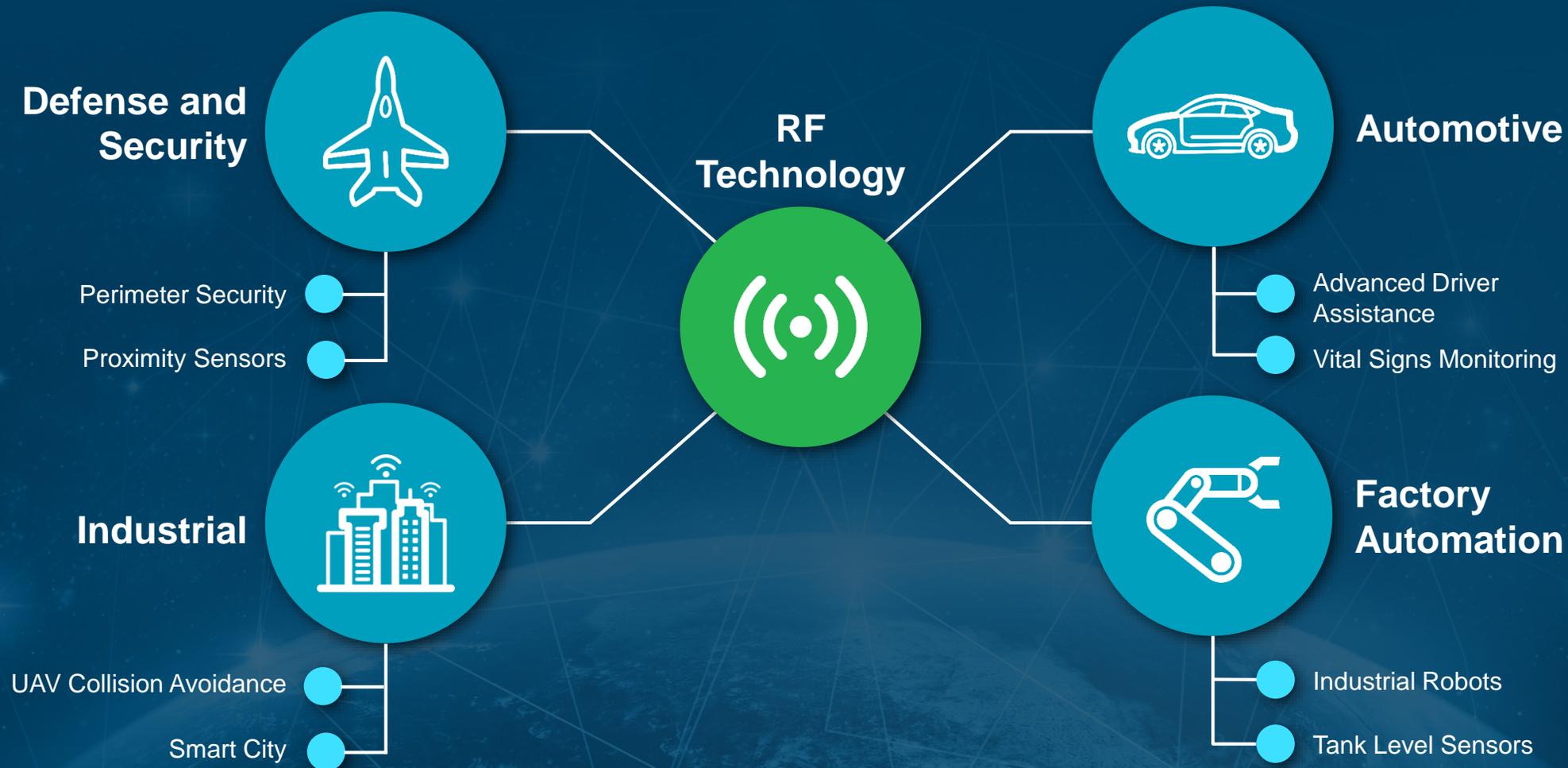
Current Markets—Aerospace and Defense



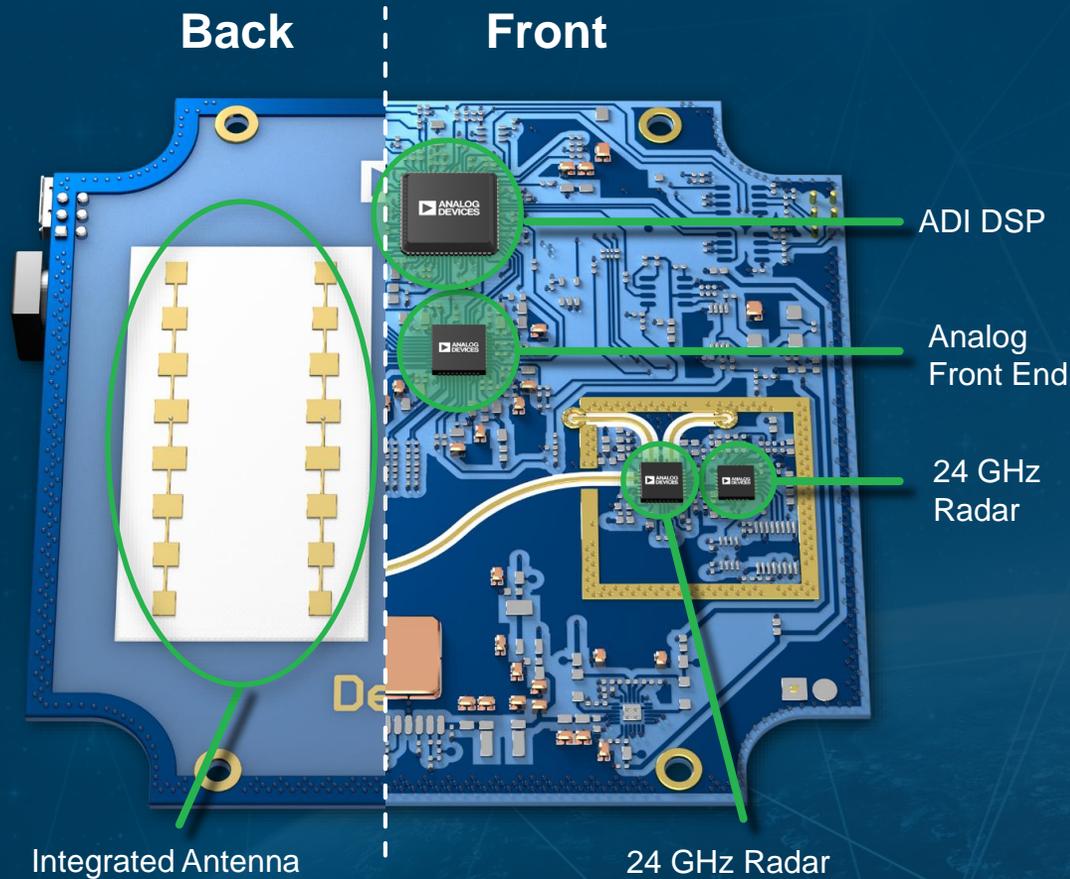
Moving to Emerging Markets



Making Wireless Sensing Ubiquitous



Turnkey Radar Solutions Enabling Industrial Applications



Plug and Play Industrial Radar Evaluation Platform



Software

Detection and tracking algorithms included

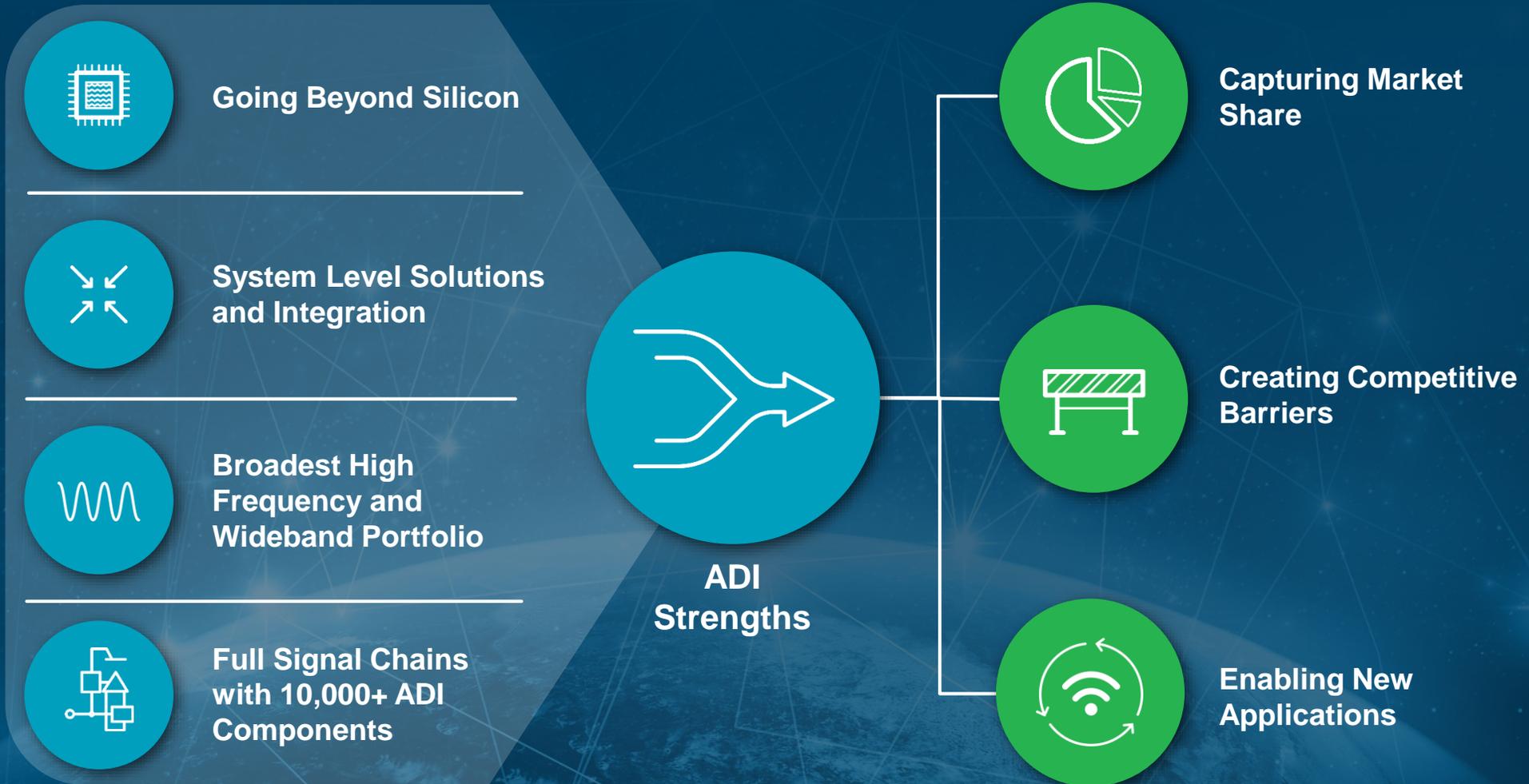
Integration

Full reference design
Integrated multichannel antennas

Full signal chain solution

Antenna-to-bits radar using all ADI components

ADI Strategy: Layered Elements of Sustainable Differentiation



ADI Strategic Initiatives Driving Above Market RF and Microwave Growth

Drivers



Enabling Multi-Gbps Communications



Democratizing Phased Array Architecture



Making Wireless Sensing Ubiquitous

Impact



Market Opportunity by 2022



mmW Growth 4x RF Market



Double Digit Revenue Growth



Multimarket Diversity



AHEAD OF WHAT'S POSSIBLE™

Analog Devices 2017 Investor Day

POWERFULLY CONNECTING THE PHYSICAL
AND DIGITAL WORLDS