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National Association for Business Economics Webinar
How 5G Technology Is Transforming and Enabling Manufacturing."

Qualcomm

5G and the future of manufacturing

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The image features a central dark blue circle with the Qualcomm logo and text. Surrounding this circle is a large, light blue circular area containing a network of white icons connected by thin lines. The icons represent various 5G-enabled technologies and industries, including healthcare (hospital, microscope, pills), manufacturing (factory, robot, gear), transportation (truck, car, ship), agriculture (tractor, barn), energy (wind turbine, solar panel), and consumer electronics (smartphone, watch, glasses, drone). The overall theme is global connectivity and innovation.

Qualcomm

Collaborating with the
global ecosystem to drive
5G innovation

5G provides significant performance improvements over 4G

10x

Decrease in end-to-end latency

10x

Greater experienced throughput

3x

More spectrum efficiency

100x

Higher traffic capacity

100x

Greater network efficiency

10x

Increased connection density

Catalyzing digital transformation across industries

5G will enable \$13.1 trillion of global sales activity in 2035

Healthcare



Smart cities



Industrial



Agriculture



Energy



Retail



Automotive



Manufacturing



Source: The 5G Economy, an independent study from IHS Markit, commissioned by Qualcomm Technologies, November 2020

Shaping the future of manufacturing



Ultra-reliable, low-latency
wireless connection

Completion



Serial: AZ71238109379ZD12H
Model: AH213

Shipping to: Detroit, MI

On-device
intelligence

3,132 °C
Temperature

Weld strength

98.2%







Dynamic factory
reconfigurability



5G NR
Private network



Thank you

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