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**Realizing the
Industrial 5G promise**

A large, white, curved wind turbine nacelle is shown in a vast industrial manufacturing facility. The nacelle is positioned horizontally, supported by heavy-duty metal stands. The background reveals a high-ceilinged warehouse with a complex steel truss system, bright overhead lighting, and yellow overhead cranes. The floor is a smooth, light-colored concrete.

Industrial 5G offers tremendous promise for manufacturing and industrial businesses.


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One exciting area is Industry 4.0, also sometimes referred to as “The Fourth Industrial Revolution”.




Industry 4.0 encompasses a wide range of technological advances including **Augmented Reality (AR), Machine Learning (ML) and the Industrial Internet of Things (IIoT).**



Connectivity is a **critical barrier** to
make Industry 4.0 a reality.

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Industrial 5G helps overcome the barrier by providing *increased speed, reduced latency* and *greater reliability*.

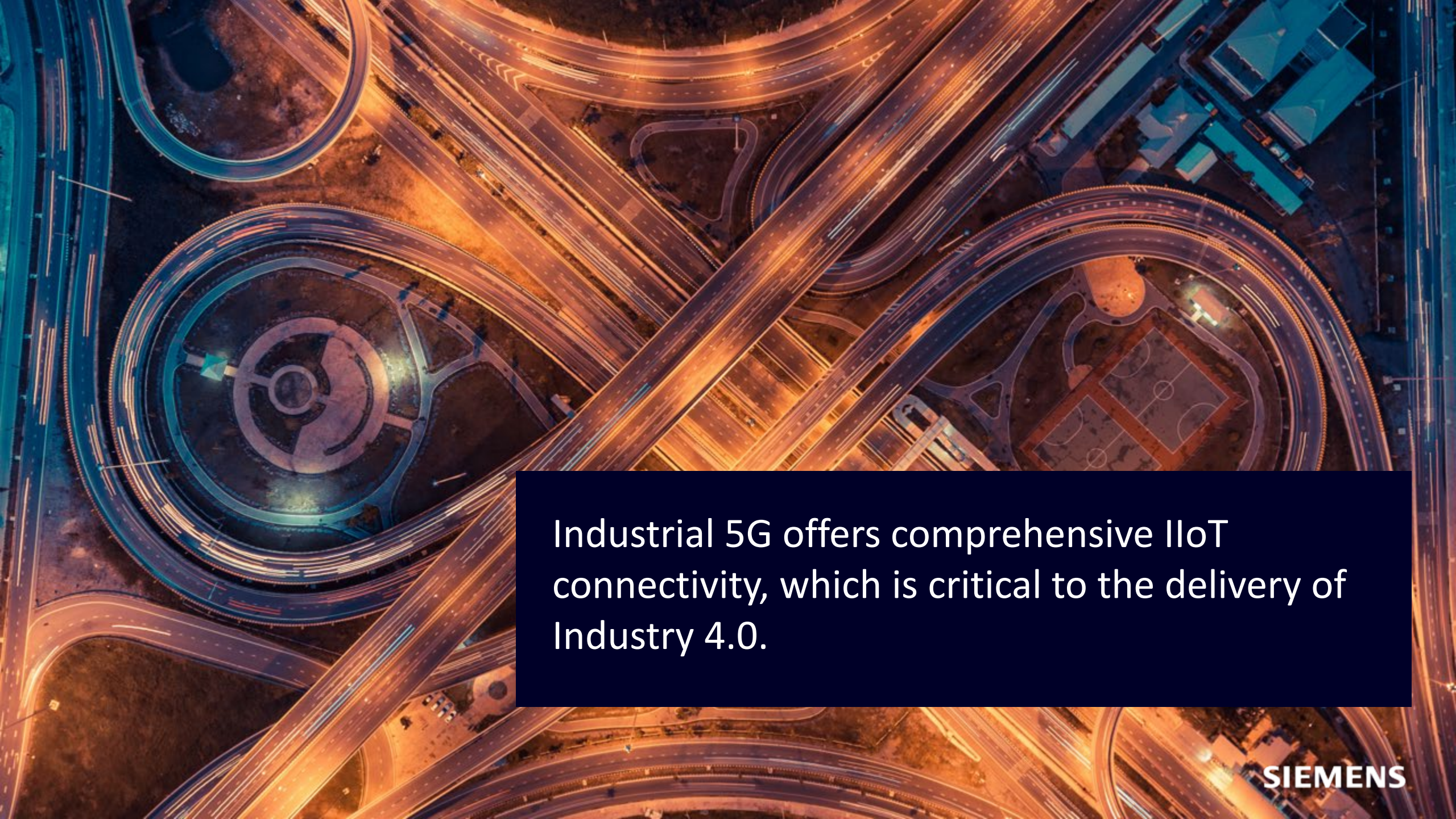


Enhanced Mobile
Broadband (eMBB)
speeds with Industrial
5G are **up to 20x faster**
than with 4G.


Industrial 5G runs on hardware that's designed to support the specialized requirements of industrial environments.




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Industrial 5G offers comprehensive IIoT connectivity, which is critical to the delivery of Industry 4.0.

A landscape photograph featuring several tall, white wind turbines scattered across a green field. The sky is bright with some clouds. In the foreground, there is a dark blue rectangular box containing white text. The bottom right corner of the image features the Siemens logo.

By enabling Industry 4.0, Industrial 5G will change the way products are manufactured and factories are maintained in the future.

The background of the slide is a photograph of a city skyline at sunset. The sun is low on the horizon, creating a warm, golden glow that silhouettes the buildings and the communication towers in the foreground. Several tall, lattice-structured towers with multiple circular antennas are visible, framing the city view. The overall mood is one of technological advancement and urban connectivity.

The full potential of the vaunted Industry 4.0
cannot be achieved without Industrial 5G.

A world map is the central focus, with the Atlantic Ocean and parts of North America, Europe, and Africa visible. The map is heavily decorated with numerous colorful pushpins, primarily clustered in North America and Europe. Surrounding the map are various international banknotes, including US dollars, Euros, and British pounds, some of which are pinned to the map. Some of the currency notes have handwritten text, such as "Filia Bujalot Albo y", "8-15-16", "Phoenix", "Nidos 5", and "Alcala".

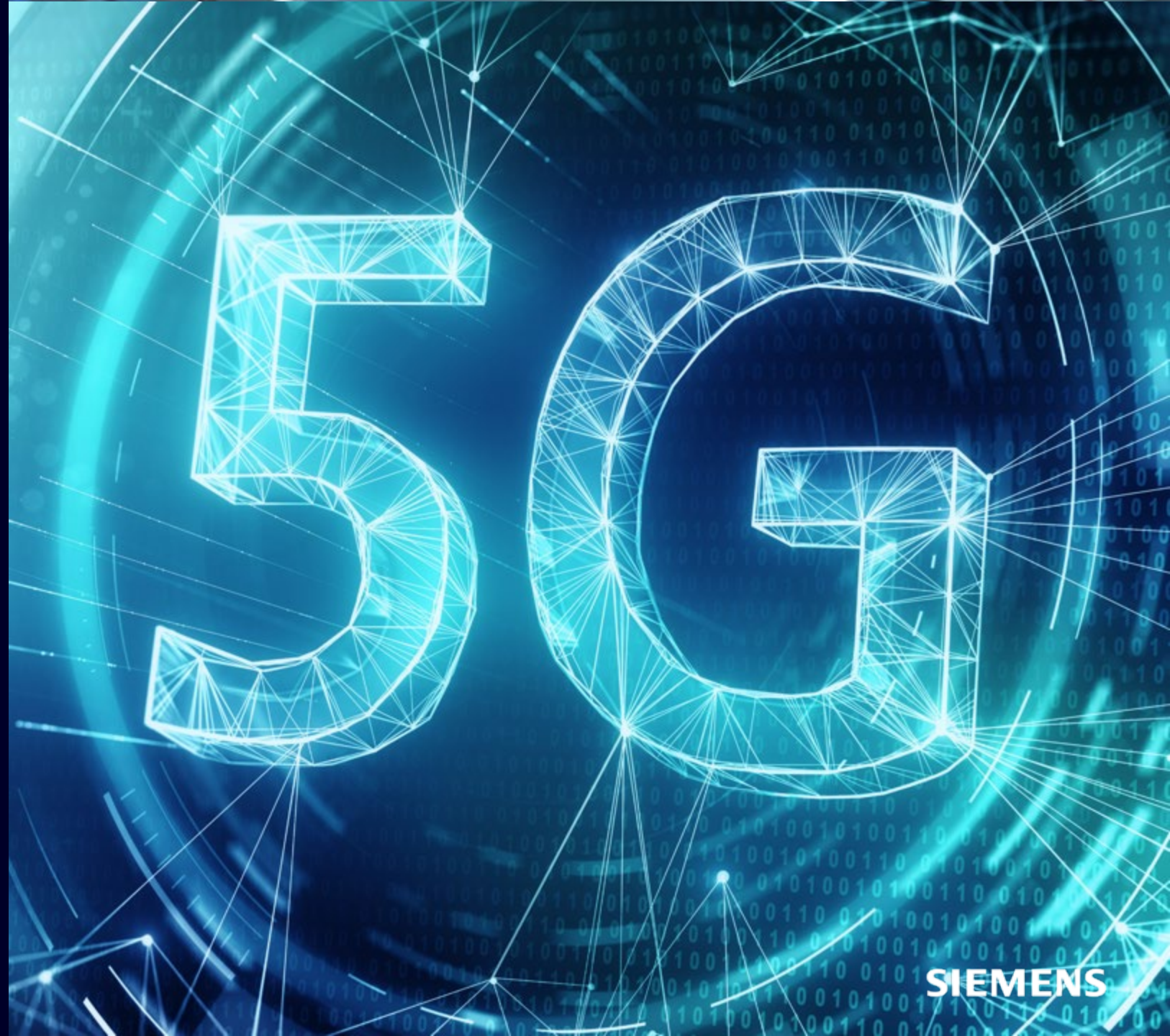
Widespread adoption of Industry 4.0 could result in an additional **\$400 - \$650 billion** of global GDP impact by 2020.



Some industrial product companies are expanding into 5G capabilities.

However, many lack the technical expertise needed to understand and successfully implement Industrial 5G technology.

Siemens is leading 5G movements by supporting the implementation of the **R16** and **R17** standards that are critical to widespread Industrial 5G adoption globally.



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Siemens is a member of the “5G Alliance for Connected Industries and Automation.”

This is a global forum working on shaping the future of 5G technology and industrial domain.



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Driving the Industrial 5G Revolution.

Visit usa.siemens.com/industrial-5G
or email SiemensCI.us@siemens.com to learn more.