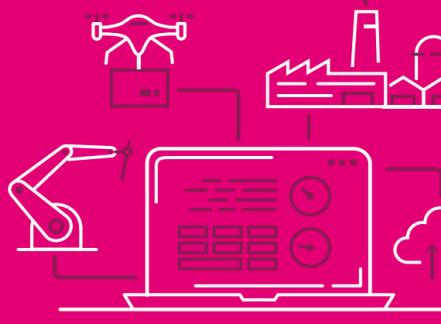
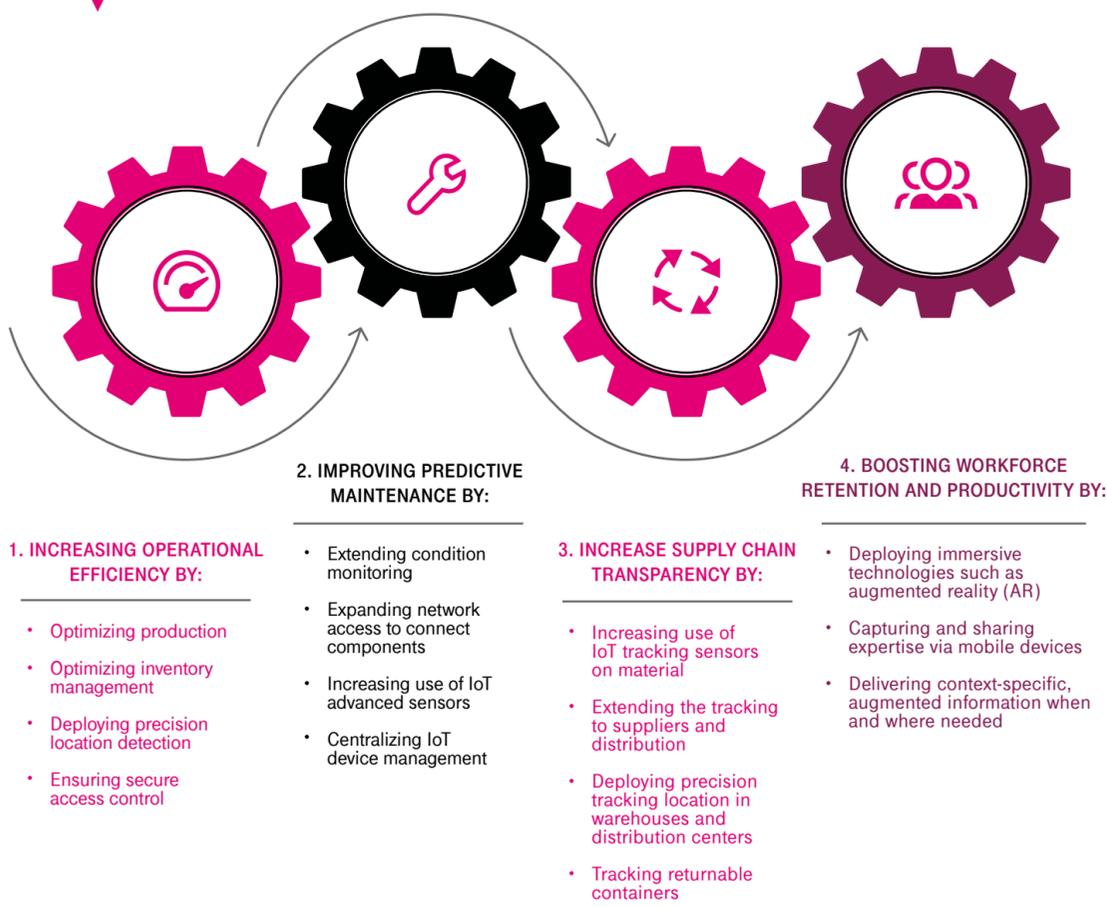


# MANUFACTURING LEADERS HAVE THE TOOLS THEY NEED TO OPTIMIZE COSTS AND DRIVE EFFICIENCIES

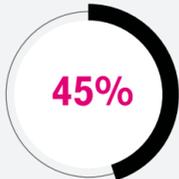


The recent pandemic crisis triggered big, fast and complex changes in manufacturing. To cope, business leaders now are speeding up factory digitalization, automation, edge computing and the Internet of Things. Mobile networks, including 5G wireless, are key to a fast rollout.

## Manufacturing leaders have four urgent goals for these smart factory investments:



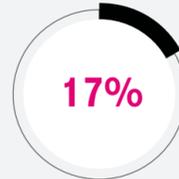
## Driving these goals are manufacturing business leaders' two most pressing business problems: optimizing costs and improving operational efficiency.



of manufacturing executives expect further increases in operational efficiency due to spending on industrial Internet of Things (IIoT), which connect machines and automate processes.<sup>1</sup>



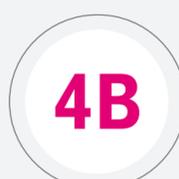
of executives expect to increase operational efficiency in 2022 by spending on robots and cobots.<sup>2</sup>



is the combined share - by discrete and process manufacturing segments - of projected \$8.5 billion in global spending (2021-2025) on artificial intelligence solutions.<sup>3</sup>



of executives report that attracting new workers is their top priority for the production workforce in 2022, followed by retention (31%) and reskilling (13%).<sup>4</sup>

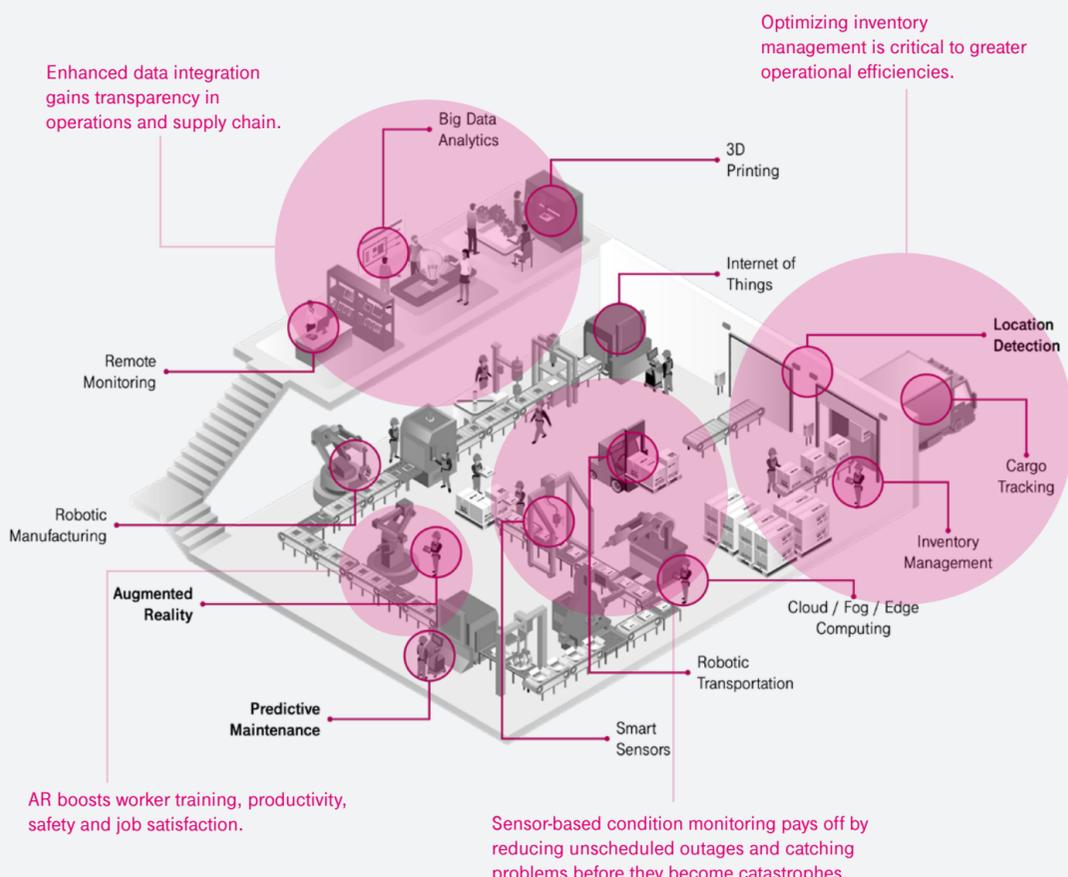


**4 billion** cellular Low Power Wide Area (LPWA) connections in 2030 (up from 330 million at the end of 2020); two-thirds of them "5G massive Machine-Type Communication" (mMTC), which also covers the LPWA technologies NB-IoT and LTE-M, which run in licensed spectrum.<sup>5</sup>



of manufacturers say 5G connectivity will be "extremely important" to their businesses.<sup>6</sup>

## Remaking Manufacturing: Forward looking business leaders now have the tools and opportunity to remake the factory floor.



Sources:

- <sup>1</sup> "2022 Manufacturing Industry Outlook" - 2021 Deloitte Development LLC, Dec 2, 2021
- <sup>2</sup> Ibid.
- <sup>3</sup> "Investment in Artificial Intelligence Solutions Will Accelerate as Businesses Seek Insights, Efficiency, and Innovation, According to New IDC Spending Guide" - IDC, Aug 30, 2021
- <sup>4</sup> "2022 Manufacturing Industry Outlook" - 2021 Deloitte Development LLC, Dec 2, 2021
- <sup>5</sup> "IoT connections in 2030: 4 billion LPWA, 468 million 5G (non-mMTC), and 4% of cellular using private networks" - Transforma Insights, Nov 19, 2021
- <sup>6</sup> "How 5G is Transforming the Manufacturing Landscape" - Manufacturing Institute, Mar 2021

To learn more about T-Mobile's unique advantages in the manufacturing space, [visit our website](#), or contact 844-983-2351.

5G: Capable device required; coverage not available in some areas. Some uses may require certain plan or feature; see [T-Mobile.com](#).