



## CENGN Annual Report FY 2023 Sources

### **CEO Letter (Page. 4)**

- According to the World Intellectual Property Organization, Canada currently ranks 40th in use and 69th in access to information technology. This is a major contributor to our current ranking of 76th in labour productivity. (World Intellectual Property Organization, [Global Innovation Index 2022 - Canada](#), pages 6-7)

### **The Canadian Innovation Opportunity (Page. 07)**

- **Economic impact on Canada**
  - o Over the next decade, there will be an estimated GDP growth of \$13 trillion globally and \$200 billion in Canada enabled by the deployment of new digital solutions and cyber secure 5G and advanced networks.
    - \$1.3 trillion by 2030 (PWC – The Global Economic Impact of 5G, 2021, page 5)
    - \$200 billion in economic growth in Canada (Accenture, [“Future-Ready” Organizations Leveraging Digital to Operate Faster and Smarter Could Help Unlock \\$200 Billion in Economic Growth in Canada](#), 2021)
- **Digital Transformation Across Sector**
  - o Smart Mining – Mineral production estimated to rise 500% by 2050 (The World Bank, [Climate-Smart Mining: Minerals for Climate Action](#), 2022)
  - o Smart Agriculture – SmartAg technology is set to grow \$25.4B globally by 2028 (Research and Markets, [Global Smart Agriculture Market to Reach \\$25.4 Billion by 2028, Fueled by Increasing Global Population and Adoption of Modern Technologies](#), 2023)
  - o Smart Factories – Manufacturing is Canada’s strongest economic output at \$174B GDP (KPMG, [Canadian Manufacturing Outlook 2023](#), 2023)
  - o Smart Mobility – Market expected to exceed \$250B USD globally by 2030 (Precedence Research, [Smart Mobility Market Size to Worth Around USD 250.3 Bn by 2030](#), 2022)
  - o Smart Infrastructure – Market will be an estimated \$434B USD globally by 2028 (Fortuen Business Insights, [Smart Infrastructure Market to Reach USD 434.16 Billion by 2028: Minsait Collaborates with Google Cloud to Secure Profits: Fortune Business Insights](#), 2022)