



# THE IMPORTANCE OF TECHNOLOGY ASSESSMENTS

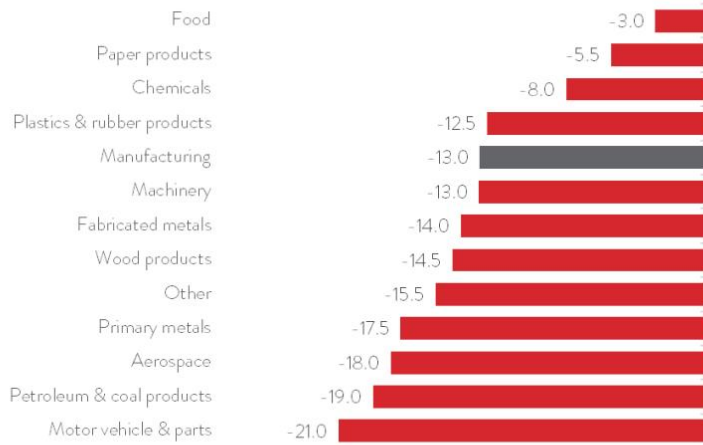
## CME TECHNOLOGY ASSESSMENT PROGRAM

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# ECONOMIC OUTLOOK

REAL GDP GROWTH BY MFG. SUBSECTOR  
2020 forecast (per cent)



Sources: CME; Statistics Canada.

Not all subsectors are impacted the same

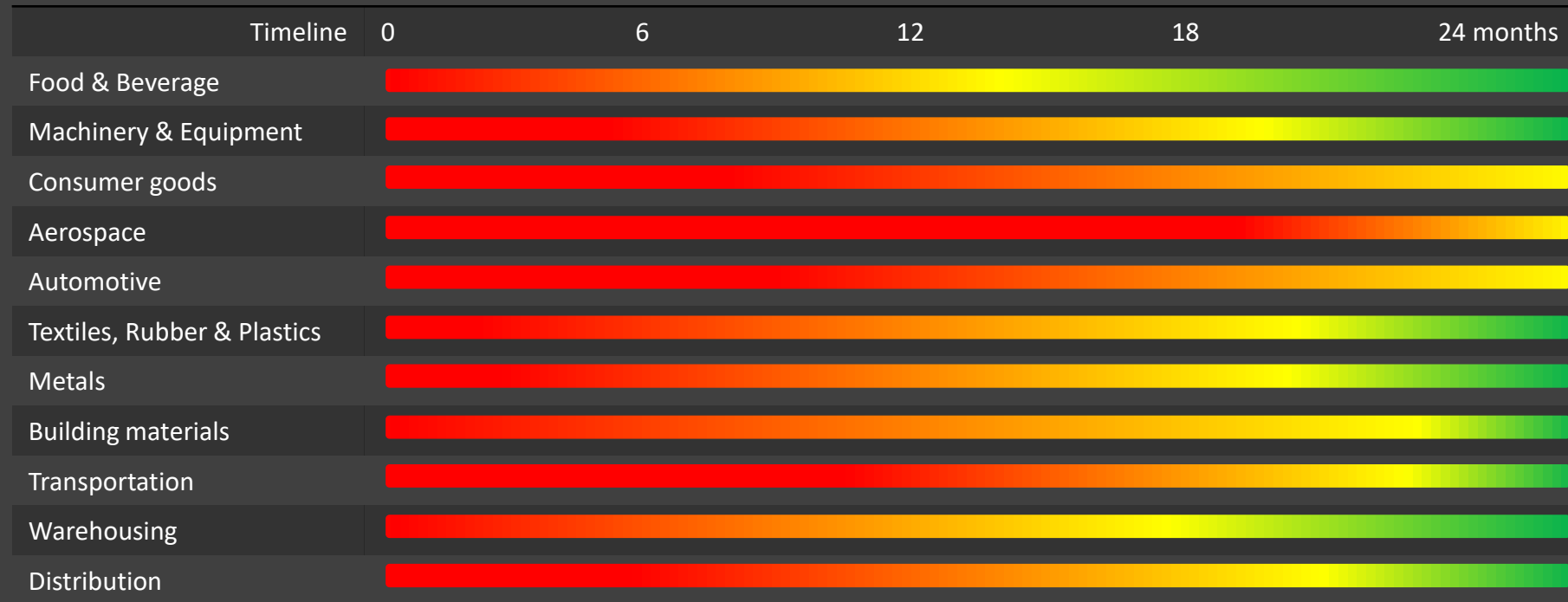
The impact will be felt until a vaccine is widely available and we exit the recession

Organizations need to move from **Response** mode to **Recovery and Growth** mode

There will be winners and losers depending on how businesses are able to adapt

# IMPACT OF COVID-19 + RECESSION

BDO Canada's assessment of severity & duration by subsector



# CHALLENGES IN THE NEXT 24-36 MONTHS



## SUPPLY CHAIN DISRUPTIONS

The entire value chain will continue to experience disruptions



## MARGIN EROSION

Cost increases (and revenue reductions) continue to affect profitability



## WORKFORCE MANAGEMENT

Businesses need long-term employee communication and workforce shortage contingency plans



## CASH FLOW & WORKING CAPITAL MANAGEMENT

Regular reforecasting is needed and working capital tightly managed



## SOLVENCY

Some businesses will need financial restructuring to mitigate solvency risks

# WHY IS A TECHNOLOGY ASSESSMENT IMPORTANT?

*“If you don't know where you're going, then it doesn't matter which path you take”*

Lewis Carroll, *Alice in Wonderland* (paraphrased)



A Technology Assessment reviews current systems, processes and challenges, takes into account an organization's long term business plan, and builds a technology roadmap for execution

# SCOPE OF A TECHNOLOGY ASSESSMENT

A holistic technology assessment provides the most complete review of systems and challenges

- ✓ Back office systems - Accounting, ERP, HRIS
- ✓ Shop floor data - MES, Sensors & IIoT
- ✓ Warehouse automation
- ✓ Engineering - CAD
- ✓ Sales & Marketing systems - CRM
- ✓ Reporting & Analytics
- ✓ Predictive tools - AI
- ✓ Robotics - physical and software
- ✓ Emerging technologies - 3D printing, AR/VR, blockchain
- ✓ Internal & External collaboration - Portals, Document Management, Productivity tools, EDI, ecommerce
- ✓ IT Infrastructure
- ✓ Cloud computing
- ✓ Outsourcing
- ✓ Cybersecurity

Assessments are focused on the use of technology to improve productivity by lowering operating costs, increasing product quality, increasing innovation capacity, increasing revenue and increasing customer satisfaction