

# BCG x TIC4.0: Benchmarking Digital and Operational Standards

C-Level Roundtable Discussion at TOC Europe in Rotterdam





### BCG and TIC4.0 collaboration brings together deep strategic, digital, and operational expertise







**David Parlongue** 

Managing Director and Partner Boston Consulting Group

- BCG is a leading strategic consultancy in wide variety of industry and functional practices
- Deep experience in Marine Ports, working with some of the largest terminal operators, port authorities, and investors



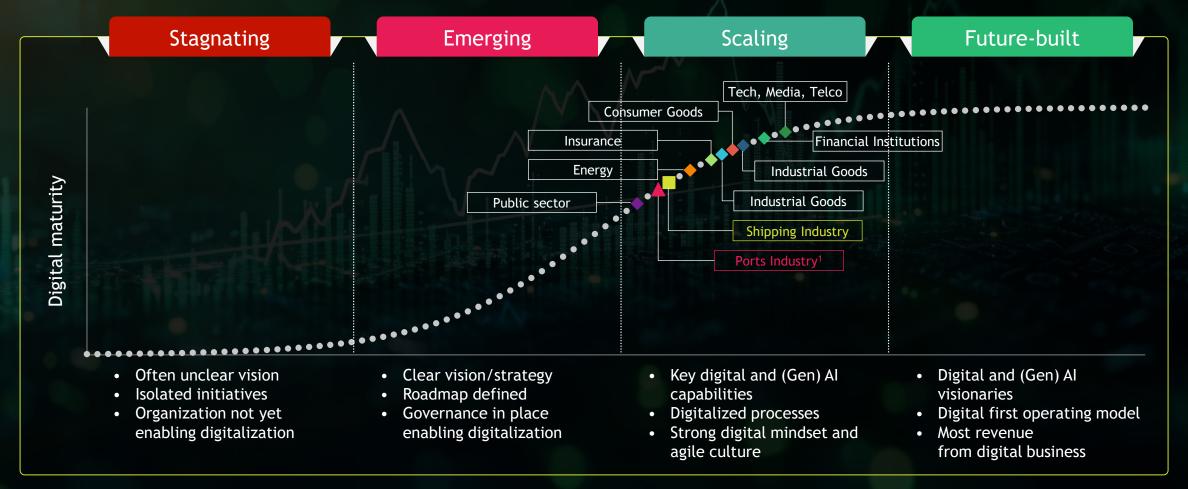


cargo handling industry

 TIC4.0 regroups 58 global terminal operators and suppliers of equipment, technology and solutions for the terminal industry



## BCGs Digital Accelaration Index sees lack of coverage and advancement in the Ports and Shipping industry



1. Estimated position
Source: BCG Digital Acceleration Index (DAI)



# Driving the Future of Port Operations: The first port industry digitalization benchmarking initiative

Collaboration to raise awareness on the current state of terminal industry automation and digitalization

Prepare to discuss with us!





#### SAMPLE OUTPUT



6-Pillar **Terminal** Survey<sup>1</sup>

Benchmark of digital maturity in 4 core operational pillars

- Additional coverage of 2 enabler pillars
- 142 questions total

Summary & Industry review





BCGxTIC4.0

created 3section survey to benchmark digital maturity in ports in detail

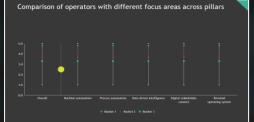


CEO Survey

Supporting framework with strategic questions for CEOs, covering:

- Awareness of TIC4.0 and its standards
- 8 questions total

Industry Benchmarking



Machine automation | [X] has high digital maturity in mooring but lags in loading/discharge

**Terminal** assessment





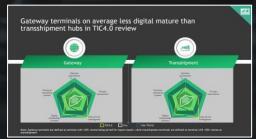


Capture subjective & heterogeneity between respondents, covering:

- Adherence of TIC4.0 standards
- 17 questions total

Exclusive **TIC4.0** version





1. To be answered by each participating terminal from every terminal operator. Typical involvement of Head of Operations/Technical department/IT, as well as terminal CEO/managers to complete the survey



#### Let's open up the discussion

Status of Digital Transformation in the Industry



Digitalization in 7 ports: Unlocking New Opportunities and Paradigms for Port **Terminals** 

Data Standardisation and Interoperability in Port/Terminal Systems



The Future of Work in Ports and **Terminals** 





**David Parlongue** Managing Director and Partner **Boston Consulting Group** 



Robert Yildirim Chairman & CEO Yilport



**Jack Craig** VP, Head of Technical **APM Terminals** 



**Maksim Mihic** Global Executive VP DP World



Harry Nguyen CEO and Founder Realtime Business Solutions



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