Technology and Community Challenges and Needs

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PCS in Action: from Development to Implementation
CIP / IPCSA Webinar
20/04/2021

Israel Ports Company - IPC

IPC goal:
"To promote an efficient maritime supply chain"
- Development of Israel's seaports infrastructure, physical and digital

Israeli Port Community System (IPCS)
- The majority of the processes in the Israeli Maritime Supply Chain are Digital and Paperless

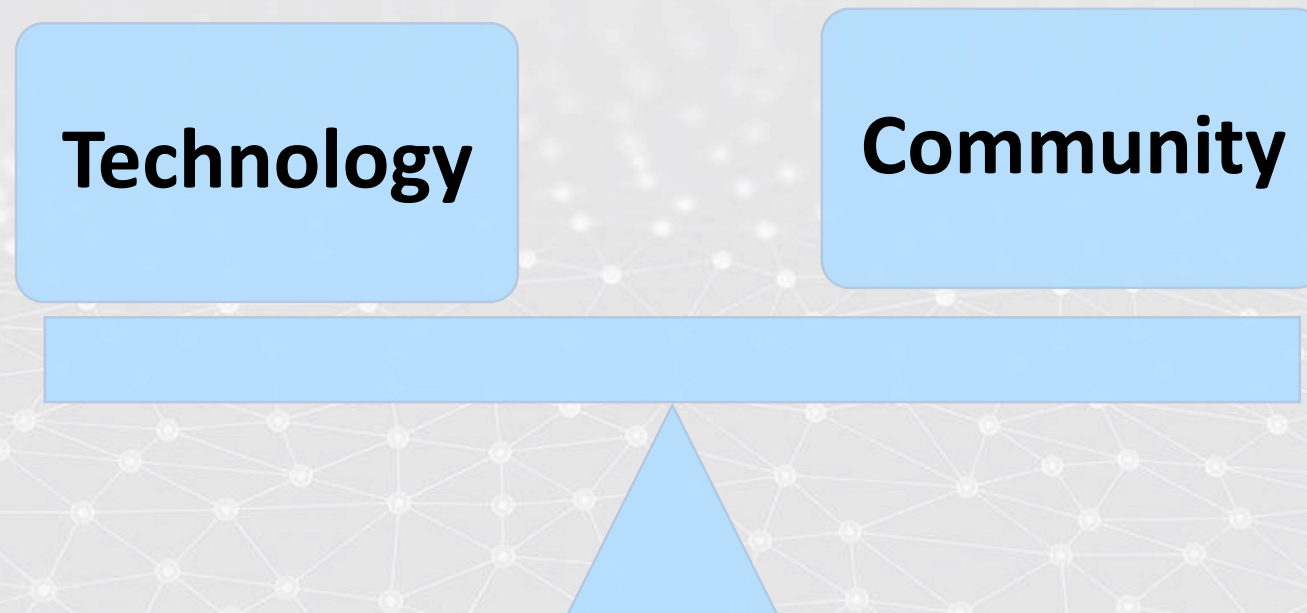**International Ports Community Systems Association (IPCSA)**
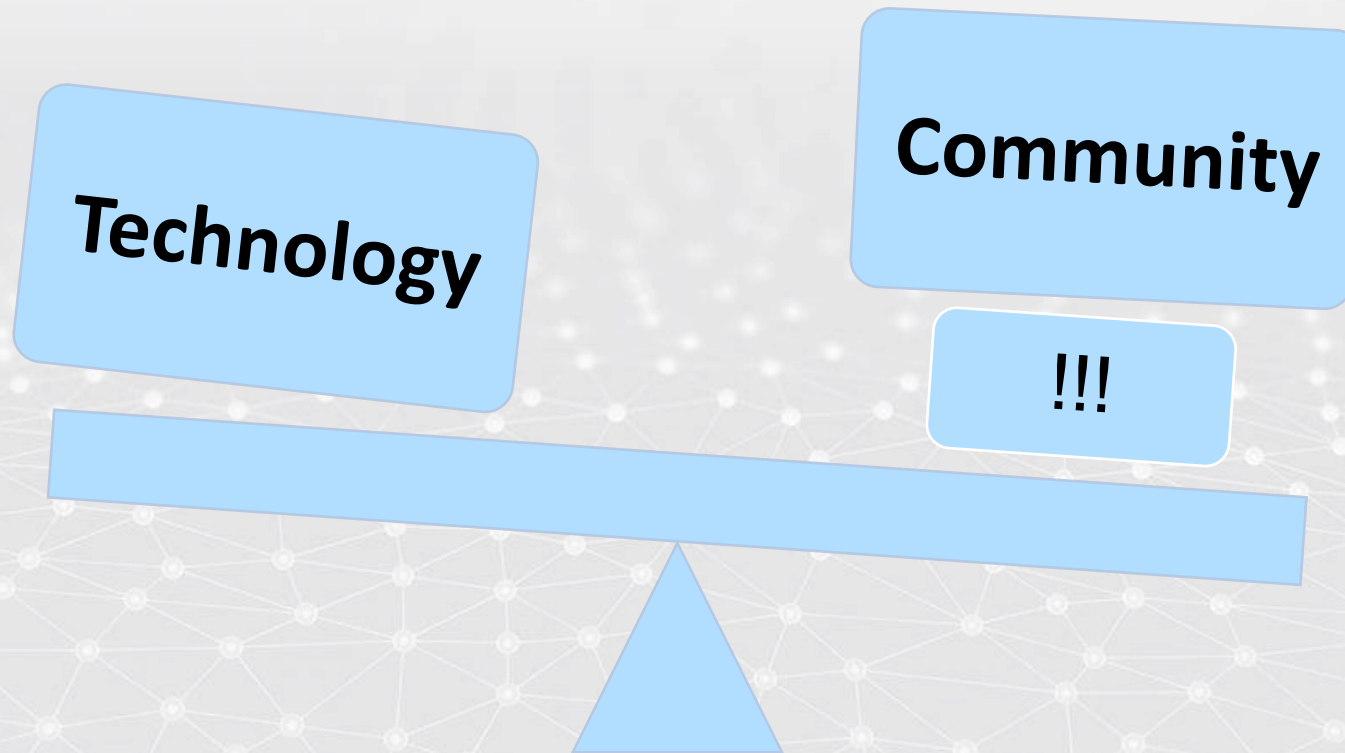- Membership since 2011

99% of the Israeli
import and export is by sea

Technology Vs Community

Technology

Community

Technology Vs Community

Technology

Community

!!!

Bringing the Community Together

IPC: Development, Operation, Integration & Funding

Business

No additional cost to end users

Regulators at the front: Head of the Steering committee

Government

Terminal Operators

Exporters / Importers

Forwarders

Ship Agents

Customs Agents

Warehouses

Transport companies

Shipping and Ports Administration

Customs

Navy
Piloting
Service
Immigration
Authority

Ministry of:
Health
Environmental Protection

Israel Railways

**Working Group
Monthly meeting**

ISRAEL PORTS

IPcs

Transparent but meaningful

israports.co.il/he/Task

▶ ENGLISH

SeaCust

דרושים   מכרזים   ק"ים

אות קהילתיות

Small Vessel

haifaport.co.il/en/

Shipping & Cargo   Tourism & C

Welcome to
the Port of Haifa
What would you like to fin

Choose Subject

ashdodport.co.il/english/Pages/HomePage.aspx

Wave Measurements   Contact Us

About US   Online Services

ASHDOD PORT
THE PORT OF ISRAEL

Check Your
Container
Status

umber

can be up to 50 numbers)

eck Stauts

Ashdod Port

Ashdod Port chair: "Clients will
stay with us as long as we offer
good service"
Orna Hozman-Bechor addressed the
newly competitive ports market durin...

"I chose to serve a cause greater than myself.
 I decided that <u>accomplishment mattered
 more than credit, popularity and title</u>"
Shimon Peres, Israeli former president and
founder of "Peres Center for Peace and Innovation"

Custom made solutions

Big enterprises:

EDI message Broker

WebAPI Services

Online Services

SME and "late adopters"

Online Services

Format translation

1,959
Companies

3,758
Users

349
Message Types

102
Online Services

7.52 M
Messages/month

ISRAEL PORTS
Development & Assets Company Ltd.

IPcs
Israel Port Community System

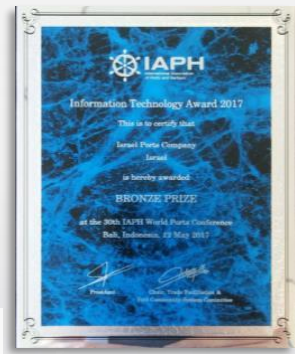# COVID-19 pandemic => Maritime Supply Chain Digitalization impact

- Digitalization of the maritime supply chain processes, and PCSs as its' enablers, are considered even more critical, by a wider range of stakeholders

- Less resistance to change to new methods of working

- All the projects and initiatives involving digitalization receives now highest priority and more support from governments

- Collaboration for better supply chain visibility is needed

- It is difficult to "instantly" digitalize a process during a crisis.
It is important to plan now how to digitalize all the processes that are still paper based

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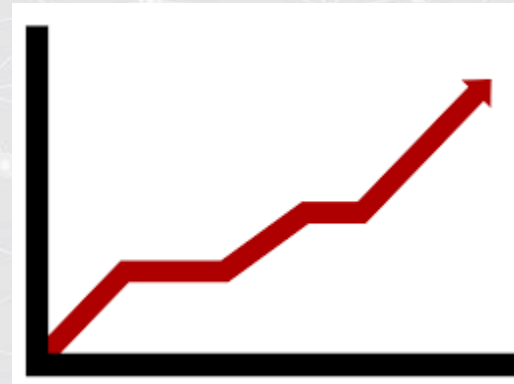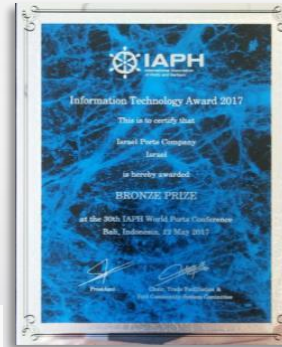
IPcs
Israel Port Community System

Technology and Innovation: The Tool, Not The Goal

Constantly look for improvements and new solutions powered by Technology and Innovation

- No need to reinvent the wheel
- Blockchain

7 Appendix of Projects
  7.1 Trade Finance → **Letter of Credit**
  7.2 KYC
  7.3 Insurance
  7.4 DLT Digitization of Trade Documents → **IPCSA Blockchain Bill of Lading Initiative** IPC, leading the initiative
  7.5 Shipping and Logistics / Supply Chain
  7.6 Other Initiatives (including marketplaces)

Traceability

NOVEMBER 2020
BLOCKCHAIN & DLT IN TRADE: WHERE DO WE STAND?
Deepesh Patel (TFG)
Emmanuelle Ganne (WTO)

NETWORK OF TRUSTED NETWORKS
Connecting and sharing data globally between ports and cross border

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IPcs
Israel Port Community System

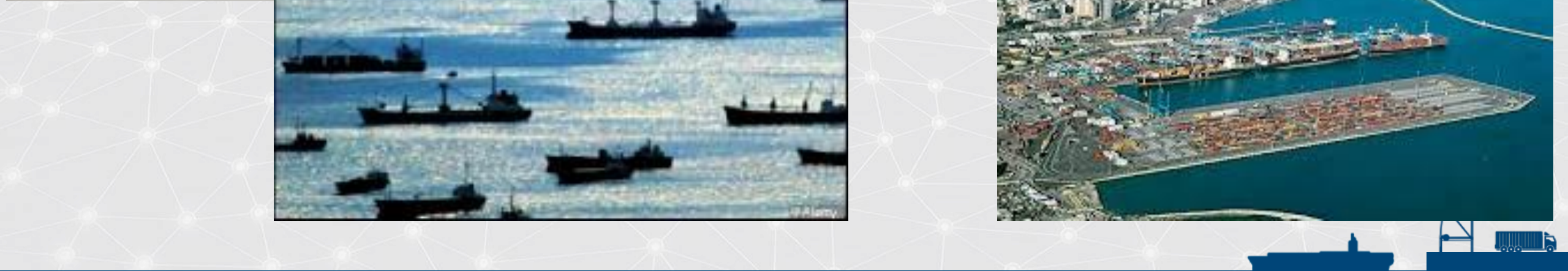# Technology and Innovation: The Tool, Not The Goal

Constantly look for <u>improvements and new solutions</u> powered by Technology and Innovation

- No need to reinvent the wheel
- Blockchain
- AI
- Autonomous Vx
- IoT

Advanced digital transformation brings higher Cyber Risk

The Maritime Supply Chain Digital Transformation outcome

PCS wish list

- To be:
    - The Trusted networks for process harmonization and integration
    - The Gateway to government authorities
    - The Bridge to different technology adoption levels
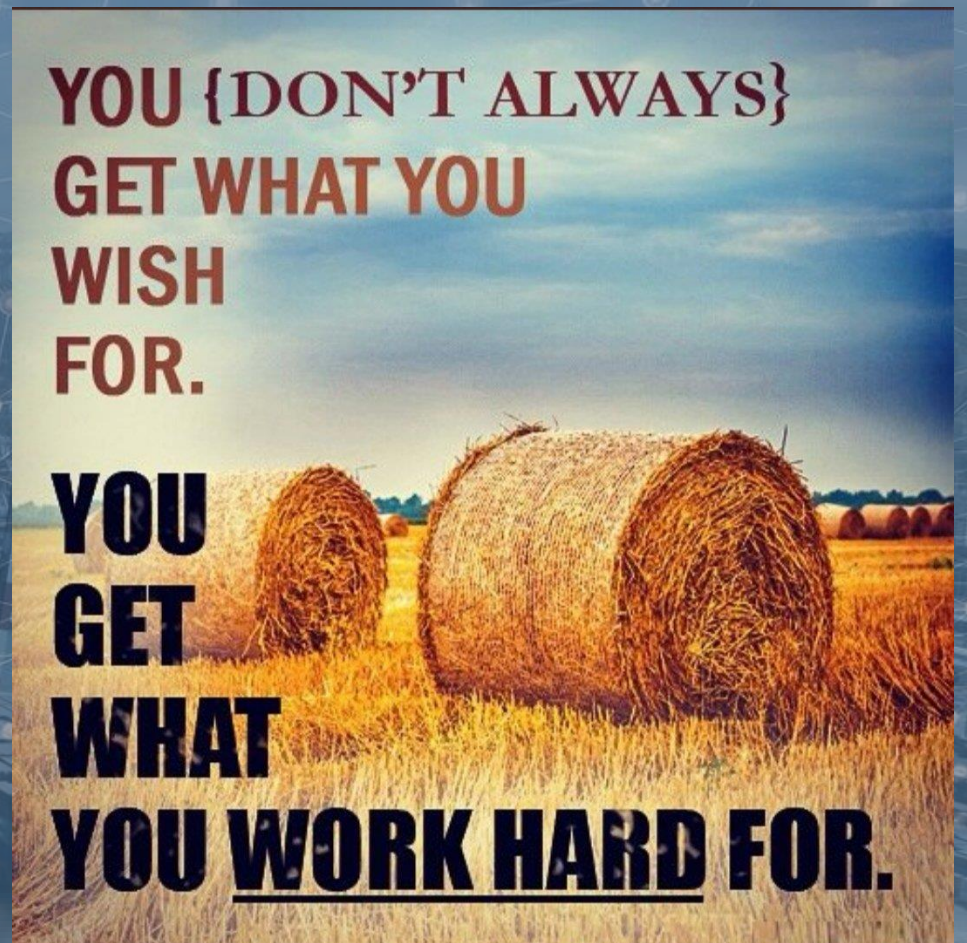   - The Gateway for local and global network

For more information
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YOU {DON'T ALWAYS} GET WHAT YOU WISH FOR.

YOU GET WHAT YOU WORK HARD FOR.

Thank you for your attention