Don’t let technological evolution outsmart you, attend CTAC19 to learn more about 5G, IoT, M2M and other intelligent solutions.
Monday 6th May

08:30-09:00  REGISTRATION / WELCOME COFFEE
All guests are invited to register into the conference

09:00-09:10  WELCOME MESSAGE
James AA Khan, MD, PTI

09:10-09:30  OPENING KEYNOTE SPEECH: OPENING THE PATH TO AUTOMATION
Carlos Lopez Barbera, Sr. Director of Product Management, Navis

09:30-10:35  SESSION 1  THE INDUSTRY TODAY: A MACRO-ECONOMIC PERSPECTIVE
The session provides a helicopter overview of the current state of automation projects in ports and terminals, providing a foundational insight into the evolution of the shipping and logistics industry for 2019. With this foundation laid, speakers will explore how automation, digitization, AI, IoT APIs and data sharing systems can function and contribute to the performance of the evolving contemporary sector.

MODERATOR Kris Kosmala, Smart Ports Digital Services Director, Royal HaskoningDHV
SPEAKERS Leo Carrington, Equity Research Analyst, Credit Suisse; Wolfgang Lehmacher, Thought Leader & Advisor, Hong Kong; Neil Davidson, Senior Analyst – Ports & Terminals, Drewry

10:35-11:00  MORNING NETWORKING BREAK

11:00-12:30  SESSION 2  LEADERS MAKE YOUR CASE: WHY AUTOMATION IS STILL THE KEY
Key Automation Criticisms and How To Get It Right
We've heard the hype around automation, yet the truth is we've seen mixed results across the world. Some terminals have hit the heights, while others across the automated and semi-automated spectrum never reached the desired targets. This session challenges the finest minds in terminal automation to answer key criticisms and make a case as to why it is still the most exciting element of terminal operations, and how to get it right. Join this session to gain critical vendor and terminal insights into lessons learned from the trials and successes experienced in delivering container terminal automation. This session affords you the opportunity to ask top automation experts the most probing questions - and get answers - via our renowned Q&A dynamic.

MODERATOR Dr. Yvo Saanen, Commercial Director and Founder, TBA b.v.
SPEAKERS Rich Ceci, Sr. Vice President Technology and Projects, Virginia International Terminals; Antti Kaunonen, President, Kalmar Automation Solutions, Kalmar; Gerhard L. Fischer, Head of Sales, Process Industries and Drives, Large Drives & Cranes, Siemens AG; Timo Valkonen, Senior Vice President, BU Solutions, Konecranes Knowledge Centers & Core of Lifting; Chuck Schneider, VP & General Manager, Americas, Navis

12:30-13:30  NETWORKING LUNCH

13:30-13:50  AFTERNOON KEYNOTE: POWER TO THE TERMINAL
Chris Pretorius, VP Smart Infrastructure, Siemens AG

13:50-14:50  SESSION 3  M2M, V2V & V2X: COMMUNICATION IS THE FUTURE
The Internet of Vehicles (IoV) is the future of performance optimisation, with vehicles promising to demand ever lower communication latency, higher reliability, and higher transmission rates. Join this session to discover how to connect and monitor the 'things' in the Internet of Things (IoT), driving the automatic and direct transfer of data between various network nodes using M2M and V2V. Learn how M2M and IoV drive cost reductions by improving visibility, security and safety and regulatory compliance.

LEARN
• How to render assets and cargo “visible, smart and connected”
• How to create real-time visibility and control
• How to access real-time, actionable data, deploy intelligent e-business applications, and quickly respond to rapidly changing conditions

MODERATOR Johan-Paul Verschuure, Technical Director, WSP
SPEAKERS Geoff Smith, EVP of Sales/Marketing, Rajant Corporation; Dr. Eva Savelsberg, SVP Logistics Division, INFORM; Franz Schulte, Senior Vice President, Konecranes Knowledge Centers & Core of Lifting

Tuesday 7th May

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#CTAC19 NETWORK WELCOME DRINKS
Wild Side at Savage Garden, DoubleTree by Hilton, London – Tower of London, 7 Pepys Street, EC3N 4AF London
Tuesday 7th May

14:50-15:10  NETWORKING BREAK

15:10-16:30  SESSION 4  CONVERGING EXPONENTIAL SMART TECHNOLOGIES: DELIVERING DATA & PERFORMANCE

Smart Performance: Cellular IoT & Industry 4.0
The evolving IoT operational port landscape is a big data generating ecosystem, with the port ecosystem now working in new data-driven ways, exchanging technology generated information in real time. Intelligently harnessing this data is not only key to continuous performance analysis and optimization, but also to create value via data sharing, capitalizing on smart technologies to generate new services and revenues, and leading the field in predictive insights. IoT driven technologies discussed will include Hyperloop, the use of sensors, digital twins, drones, robots, data analytics, blockchain and additive manufacturing.

DISCOVER
• Future container terminal technologies
• Optimal data management
• Novel governance tactics
• The progress of blockchain
• Discover key case studies exemplifying assured results

MODERATOR  James AA Khan, MD, PTI

KEYNOTE  Matthew R. Miller, Transportation Industry Principle, OSIsoft, LLC; Sylvia Wong, Senior Consultant, Automation & Systems Integration, Hatch

SPEAKERS  Michael Bouari, CEO, 1-Stop Connections; Timo Lehto, Director, Software & Automation, Kalmar; Wolfgang Lehmacher, Thought Leader & Advisor, Hong Kong

16:30-16:50  NETWORKING BREAK

16:50-17:30  SESSION 5  AUTOMATION PORTS 4.0: DRIVING EFFICIENCY & DENSIFICATION

The semi and fully automated container terminal market is expected to grow from US$9.09 billion in 2018 to US$10.89 billion by 2023, or at a rate of 3.7%. Join this session to debate on the short to long-term return on investment from automation, including increased efficiency, driver safety and wellness, time and resources savings including container pre-sorting for next day gate pickup, improved stability and longterm benefits such as flexibility for swift change implementation in areas such as reefer management.

UNCOVER
• The key business drivers for automation such as data generation and AI implementation
• How automation is living up to expectations: performance, productivity, reliability, cost reduction
• How digitalisation is impacting the automation landscape and to what benefits
• The latest advancements in full and semi-automation implementation, integrated with business strategy and performance optimisation
• How to deliver fully integrated and purpose built process automation and the value of automated decision-making

MODERATOR  Guenter Schmidmeir, Senior Vice President, Global Terminal Operators, Kalmar

SPEAKERS  Martin Church, Account Director, Kalmar; Alan Peterson, Industry Segment Leader, Crane Systems, TMEIC Group; Claus Burger, Global Director of Container Handling Market, Conductix-Wampfler

17:30  CLOSING REMARKS

18:30-23:00  NETWORK EVENING DRINKS & DINNER
SEARCY’S AT THE GHERKIN, 30 ST MARY AXE, EC3A 8EP LONDON
KEYNOTE SPEAKER  ROBERT J. SCHENA, CEO AND CO-FOUNDER, RAJANT CORPORATION

Sponsored by RAJANT

#CTAC19
Wednesday 8th May

08:30-09:00 REGISTRATION/WELCOME COFFEE

09:00-09:10 WELCOME MESSAGE
James AA Khan, MD, PTI

09:10-10:30 SESSION 1 AUTOMATING EXISTING TERMINALS: THE GOOD, THE BAD AND THE FUTURE
So much emphasis is placed upon automating terminals to expedite processes, but is that really realistic, or even the best solution for most terminals? Many would argue not. One increasingly popular option is retrofitting existing terminals, thereby securing the gains of cutting-edge automation, while saving on the costs of implementation and new-builds. This session looks at how this can be done in the most seamless and efficient manner possible, taking into account real-world examples and best industry practices to make a case for retrofitting.

DISCOVER
• How innovative retrofitting works
• Industry best practices
• How to optimize your operation without negating present workflows
• What retrofitted terminals around the world have achieved

MODERATOR Johan-Paul Verschuure, Technical Director, WSP
SPEAKERS Uno Bryfors, Senior Vice President, ABB Ports; Rich Ceci, Sr. Vice President Technology and Projects, Virginia International Terminals; Dr. Yvo Saanen, Commercial Director and Founder, TBA b.v.; Bob Post, Director Terminal Automation, Royal HaskoningDHV; Walter Schoenecker, Head of Product Development Freerider, Künz GmbH

10:30-10:55 SESSION 2 LTE & 5G: THE NEXT-GEN COMMUNICATIONS NETWORK
5G offers a level of connectivity, security, reliability and speed that current mobile networks are unable to match. Cloud technology, robotics and big data, are all underpinned by 5G connectivity. 5G is thus able to process environmental data in real time and use virtual reality applications to manage infrastructures. Supporting your operational network with a complete new set of application options it provides an ideal platform for standardizing seamless connections in the port, including automated remote control of UGVs, traffic light coordination, video security monitoring, and real-time data collection through mobile terminals.

DISCOVER
• What is it and how will it work?
• What does it mean for terminal operations?
• How can it improve your terminal?
• How will it reduce power consumption and latency?

KEYNOTE Matthias Jablonowski, Global Practice Lead, Ports, Nokia

10:55-11:20 MORNING NETWORKING BREAK

11:20-12:30 SESSION 3 DYNAMIC TERMINAL PLANNING OPTIMIZATION: MAXIMIZING KPIS
Real-time and holistic operational planning is key for the efficient utilization of key resources during critical operations, which are closely related to a container terminal’s key performance indicators. Dynamic planning focuses on facilitating connectivity by setting priorities, allocating resources and overseeing all service points within the terminal. Holistic planning is part of building a robust master grand plan that withstands change of circumstance, avoiding isolated expansions that are not part of a long-term strategy.

DEBATE
• Tailored future master planning, competition optimisation and risk management
• Key vessel and stowage planning considerations
• Yard planning in the digital age
• Reversible lane layouts
• Gate automation and dispatching insights
• Discover the latest modelling and terminal planning technologies available to optimise your performance

MODERATOR Kris Kasmala, Smart Ports Digital Services Director, Royal HaskoningDHV
SPEAKERS Guðmundur Ádalsteinsson, Senior Manager, Sundahöfn Container Terminal Reykjavik; Eslie Vrolijk, Maritime Engineer / Port Planner, Royal HaskoningDHV

12:30-13:45 NETWORKING LUNCH
Wednesday 8th May

13:45-14:05  AFTERNOON KEYNOTE
2038: A SMART PORT STORY

SPEAKERS  Dr. Eva Savelsberg, SVP Logistics Division, INFORM; Matthew Wittemeier, Marketing Manager Logistics Division, INFORM

14:05-15:15  SESSION 4  AI & MACHINE LEARNING: MOBILISING HUMAN-MACHINE COLLABORATION

AI is the next stage of human-machine collaboration and is the driving force behind the controlled terminal operation system. This includes intelligent port equipment scheduling, site planning and berth planning, the independent operation of container yard cranes minimizing crane movements, and container dray traffic management for realizing quick container check-in and release. It reduces the number of man hours spent on redundant work replacing it with an efficient and reliable system. And allows for the minimization and automation of exceptional case handling, predictive maintenance and supply chain optimisation. All in the service of improving port operation productivity and traffic traceability.

DISCOVER
- What is an AI controlled terminal operation system?
- How to successfully integrate AI to your operations
- How tailor-made human-machine-interfaces can simplify operational control
- How to collaborate with machines in order to solve complex problems
- The value of augmented reality applications

MODERATOR  Matthew Wittemeier, Marketing Manager Logistics Division, INFORM
SPEAKERS  Dr. Leonard Heilig, Lecturer University of Hamburg, CEO, elbblick consulting; Frederik Stork, Sr Director of Global Optimization and Analytics Services, Navis; Dr. Eva Savelsberg, SVP Logistics Division, INFORM

15:15-15:45  NETWORKING BREAK

15:45-16:45  FINAL PANEL DISCUSSION  DELIVERING PERFORMANCE: DRIVING OPTIMIZATION

Clearly driving, analysing and delivering real-time performance is key to ensuring optimal productivity, optimization and capacity planning. Join this session to discuss advanced data analytics and data exchange usage, enhanced capacity sensing, route optimisation, energy management, fault detection and resolution, and ensure continuous performance analysis.

DISCOVER
- Diagnostic tools for port/terminal performance measurement, modelling and analysis
- Operational and non-operational indicators for productivity vs. utilization
- Performance altering factors including operational disturbances
- Measures for productivity and utilization performance increase
- The relationship between seasonal productivity and capacity using simulation
- Benchmarking port and terminals KPIs and comparing terminal performance

MODERATOR  Kris Kosmala, Smart Ports Digital Services Director, Royal Haskoning DHV
SPEAKER  Gustavo Oberto, Managing Director of Global Sales & Markets, Conductix-Wampfler; Francisco Grau Cavanillas, Managing Director, Ports & Terminals Division, Orbita Ports & Terminals; Michael Geiger, Director Sales and Marketing, Künz GmbH; Alan Peterson, Industry Segment Leader, Crane Systems, TMEIC Group; Matthew R. Miller, Transportation Industry Principle, OSIsoft, LLC

16:45  CLOSING REMARKS

17:00  NETWORKING THANK YOU DRINKS