



Smarter Operations: Optimizing for Sustainable Efficiency

www.avlino.com

July 2024



Who is Avlino?



We deliver adaptive **AI solutions** that enhance operational systems and decision-making, to increase **Container Terminal productivity and efficiency**



Our **AICON solution Suite** is unique to the industry as it provides directly embedded intelligent answers that help client realize operational KPI's



We **combine domain knowledge and analytical thinking with innovative technology** that continually self-adjusts to the most demanding and dynamic conditions



Headquarters
New Jersey, USA

Design Centers
Bengaluru, India
Porto, Portugal

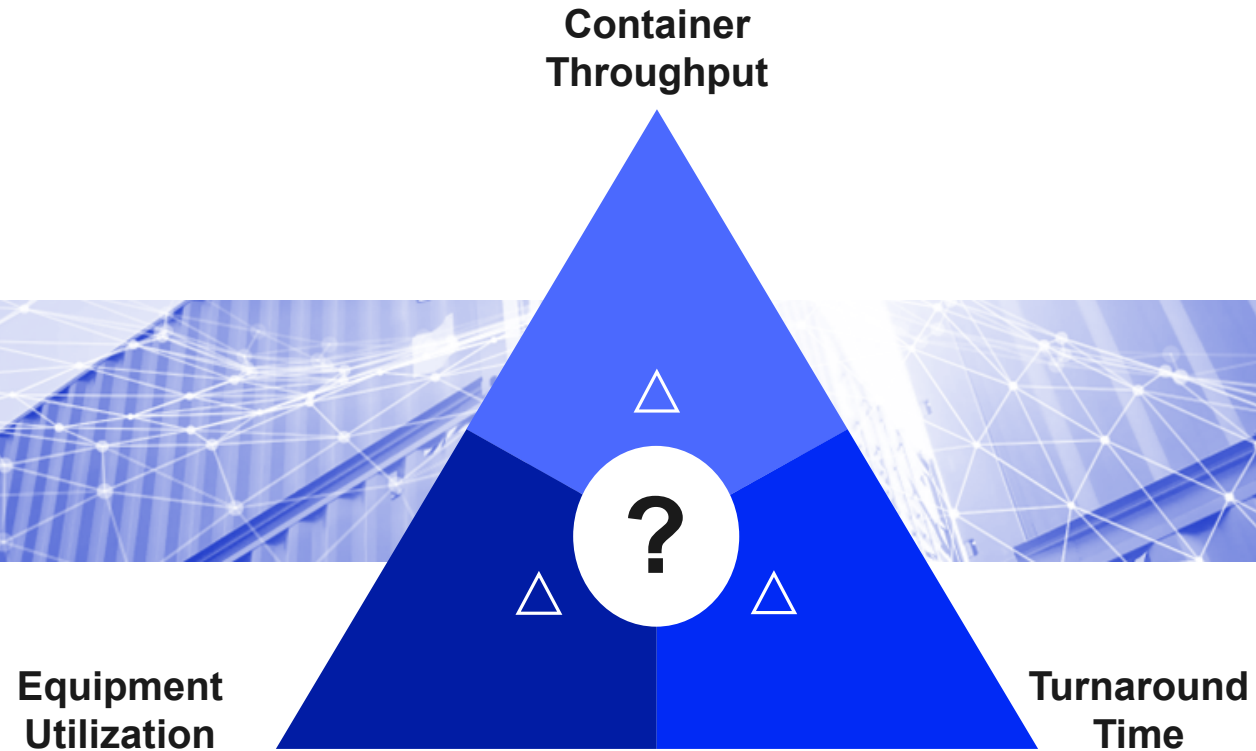
Expertise
Artificial Intelligence
Machine Learning
Operations Research
Big Data Engineering
Cloud Infrastructure

Revenue Model
Software-as-a-Service



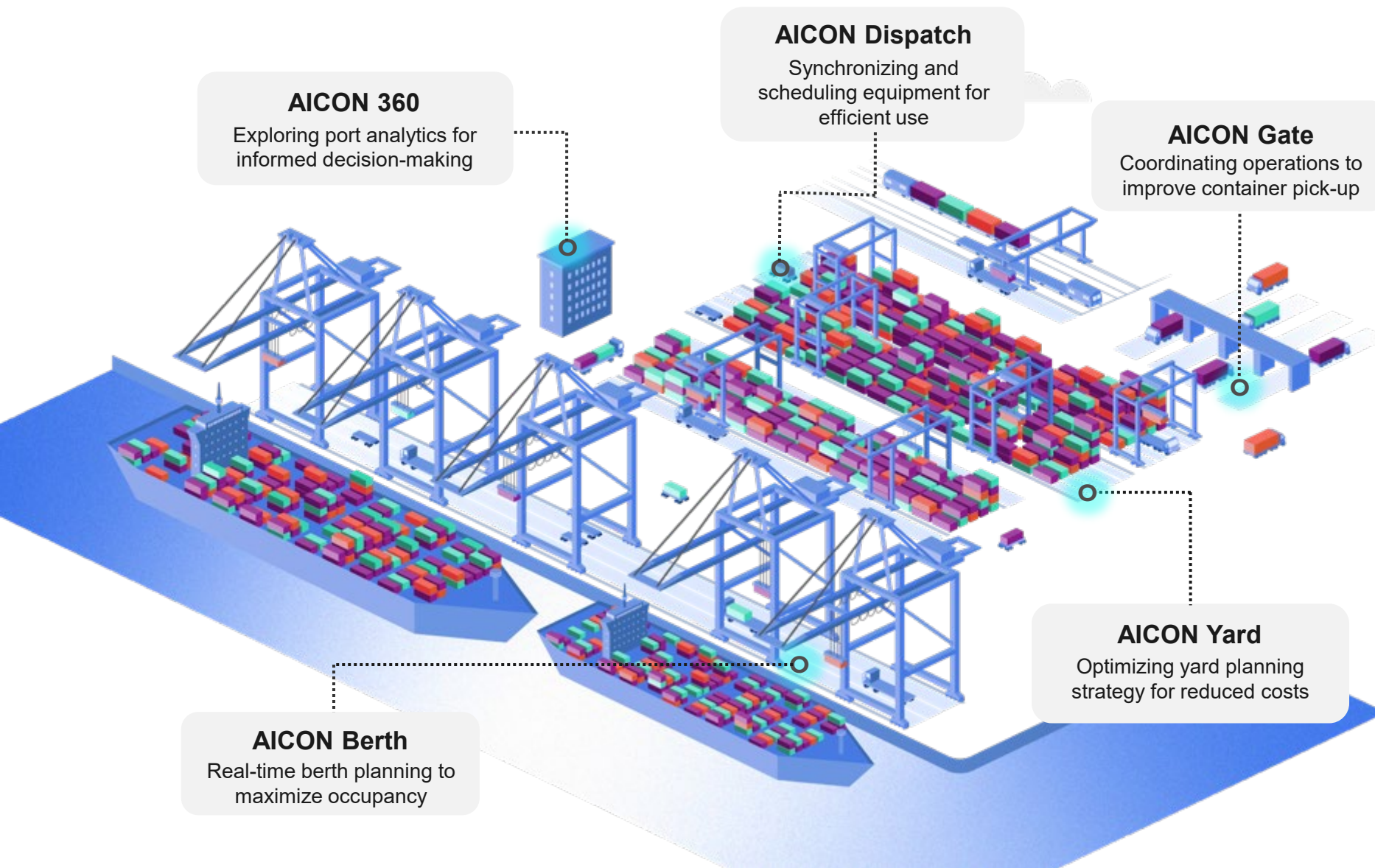
The conflicting business goals

Terminals struggle to balance Volume (Throughput), Velocity (Turnaround time), and Value (Utilization/Profitability)



AICON SOLUTIONS SUITE

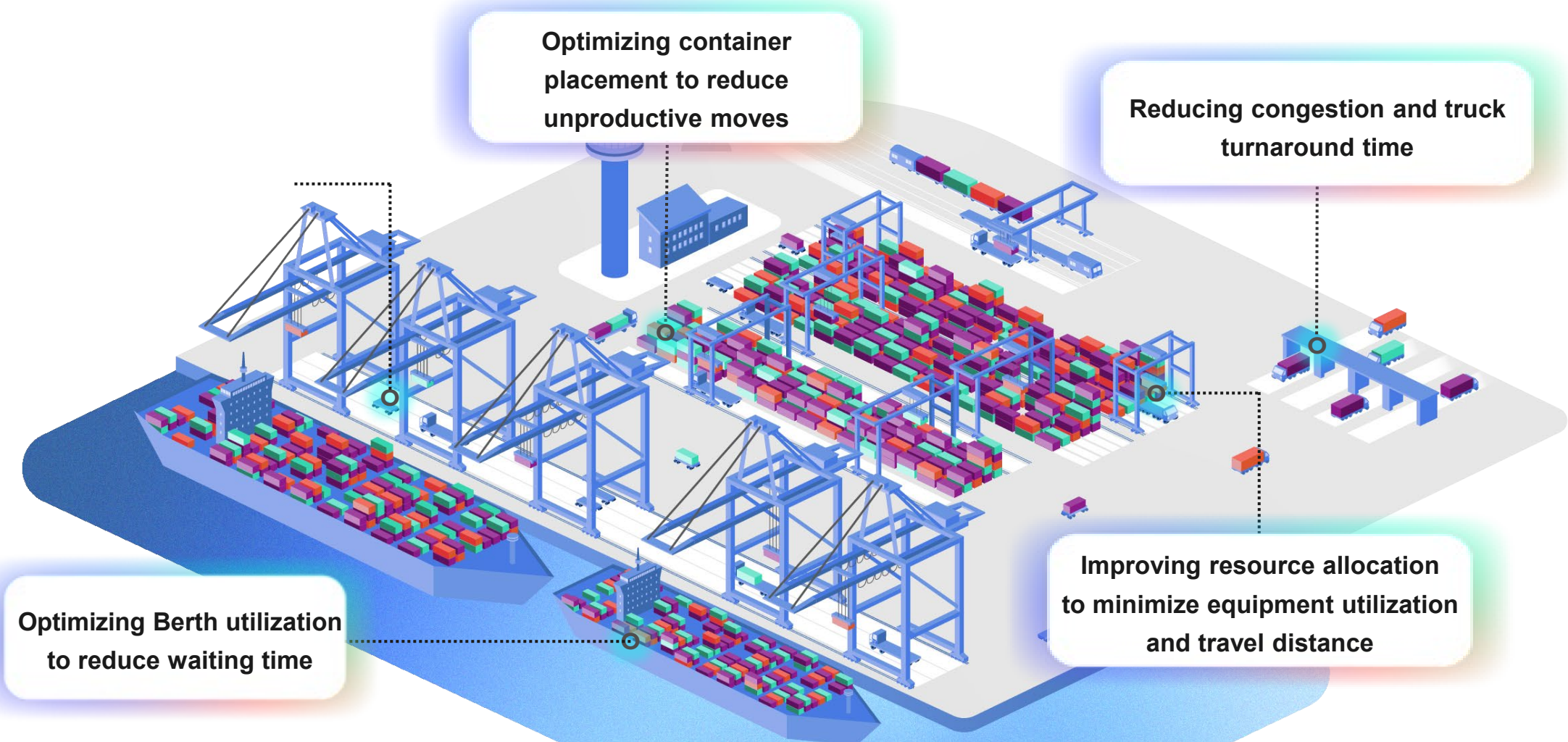
Comprehensive View



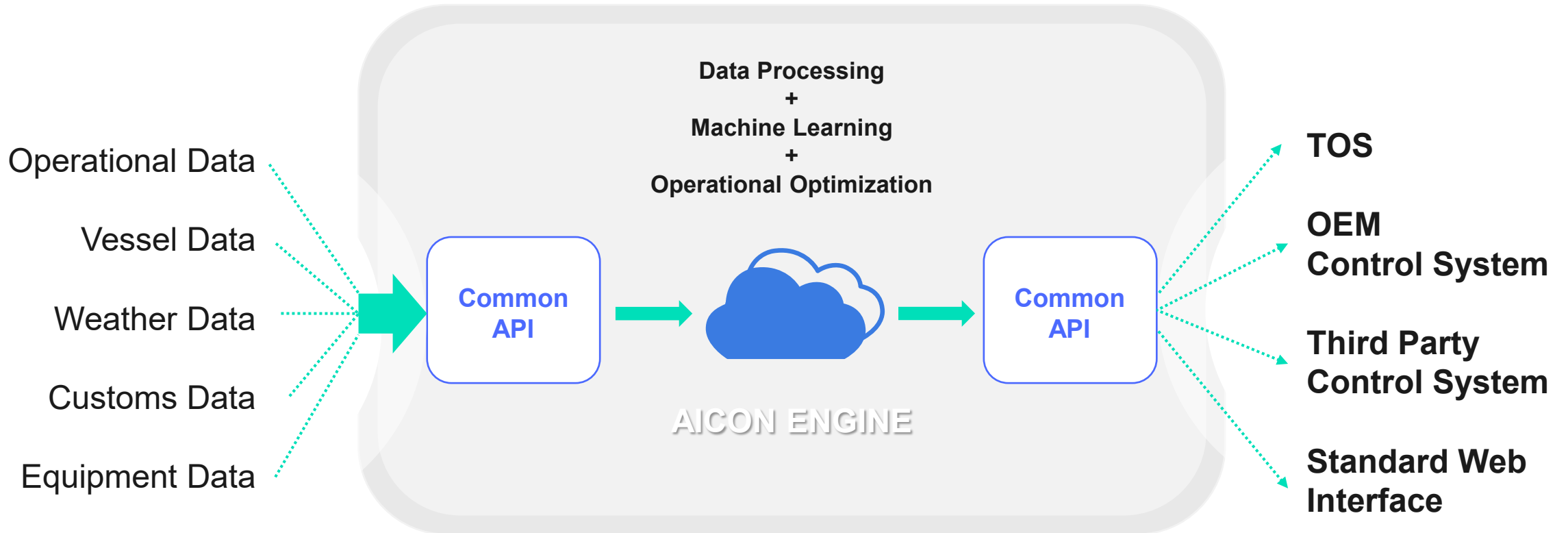
- AI-enabled Modules
- Combines Machine Learning, Operations Research and Big Data Engineering
- Integrates with TOS and sub-systems to generate visibility
- Adapts in real-time to the changing conditions
- Delivers value to the C-Level, while helping analysts, managers and planners across the terminal



Adding Sustainable Value to Container Handling Operations



AICON Solutions Blueprint



AICON - Beyond Software

AI systems are outperforming current systems:

- Dynamically adapting to real time operational changes
- Delivering ML-based self-learning
- Reconfiguring parameters automatically
- Replacing the penalty approach with an objective functional realization approach



True Optimization often involves making trade-offs and selecting solutions that minimize problems rather than always pushing for maximum productivity.

THANK YOU

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