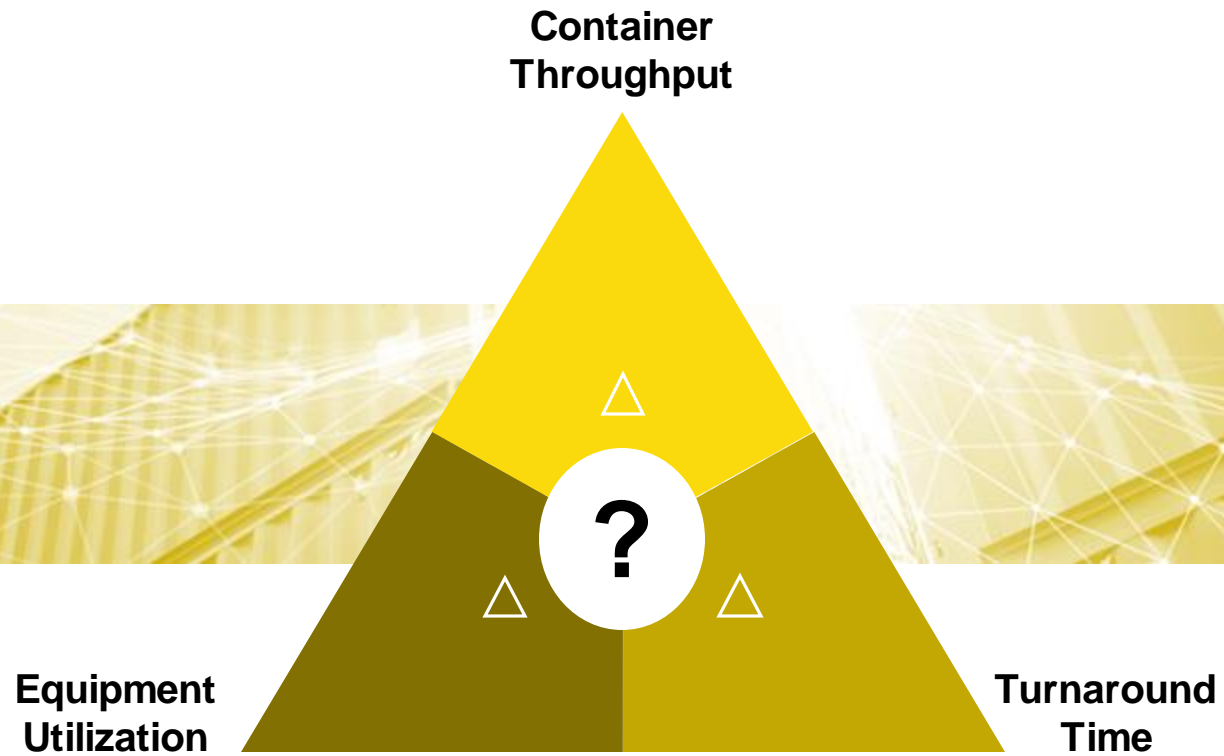




Solving the Throughput – Efficiency Paradox with AI-powered Solutions

APRIL 20, 2023

The classic paradox in Container Terminals



What external factors cause this paradox?

Unpredictable demand

Underutilized resources or overutilized equipment and downtime

Lack of visibility

Poor decision-making

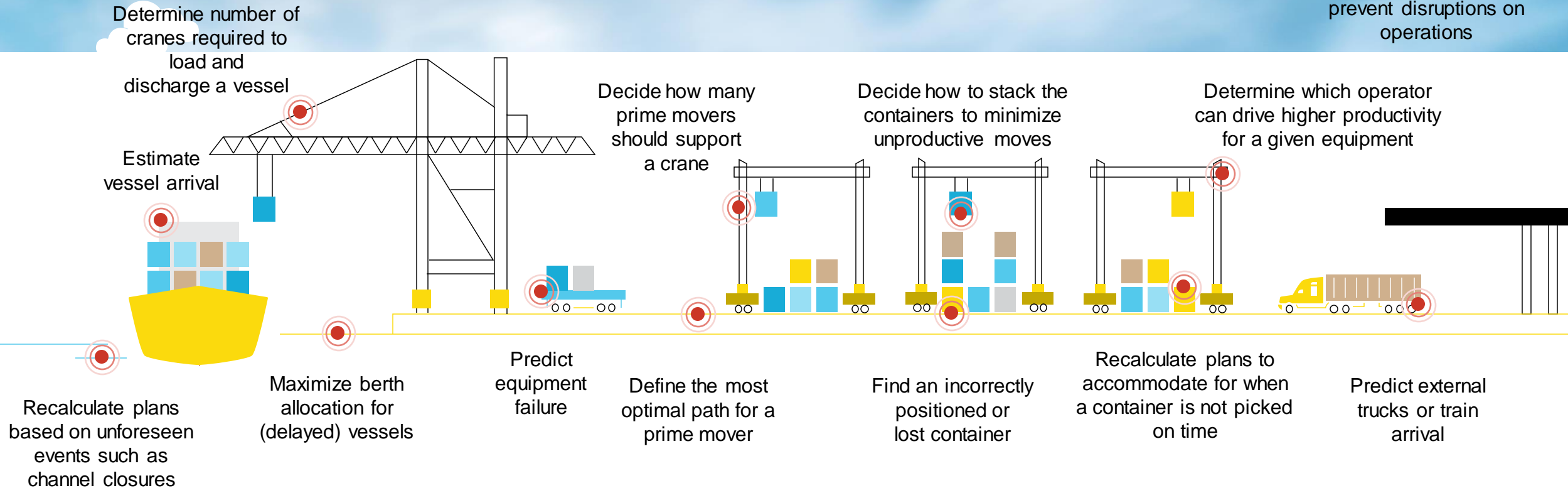
Hardcoded software logic and operational systems

Systems unable to respond to dynamic conditions

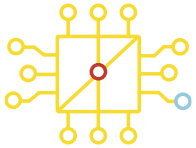
AI-based Solutions can solve this paradox



Predict the impact of external factors (weather, traffic etc.) to prevent disruptions on operations



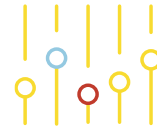
Who are we?



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



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



Our **AICON Solution Suite** is unique to the industry as it provides directly embedded intelligent answers that help you realize your KPI's



Headquarters
New Jersey, USA

Design Centers
Bengaluru, India | Porto, Portugal

Expertise
Artificial Intelligence, Machine Learning,
Operations Research and
Big Data Engineering

Model
Software-as-a-Service



AICON Solution Suite | Comprehensive view

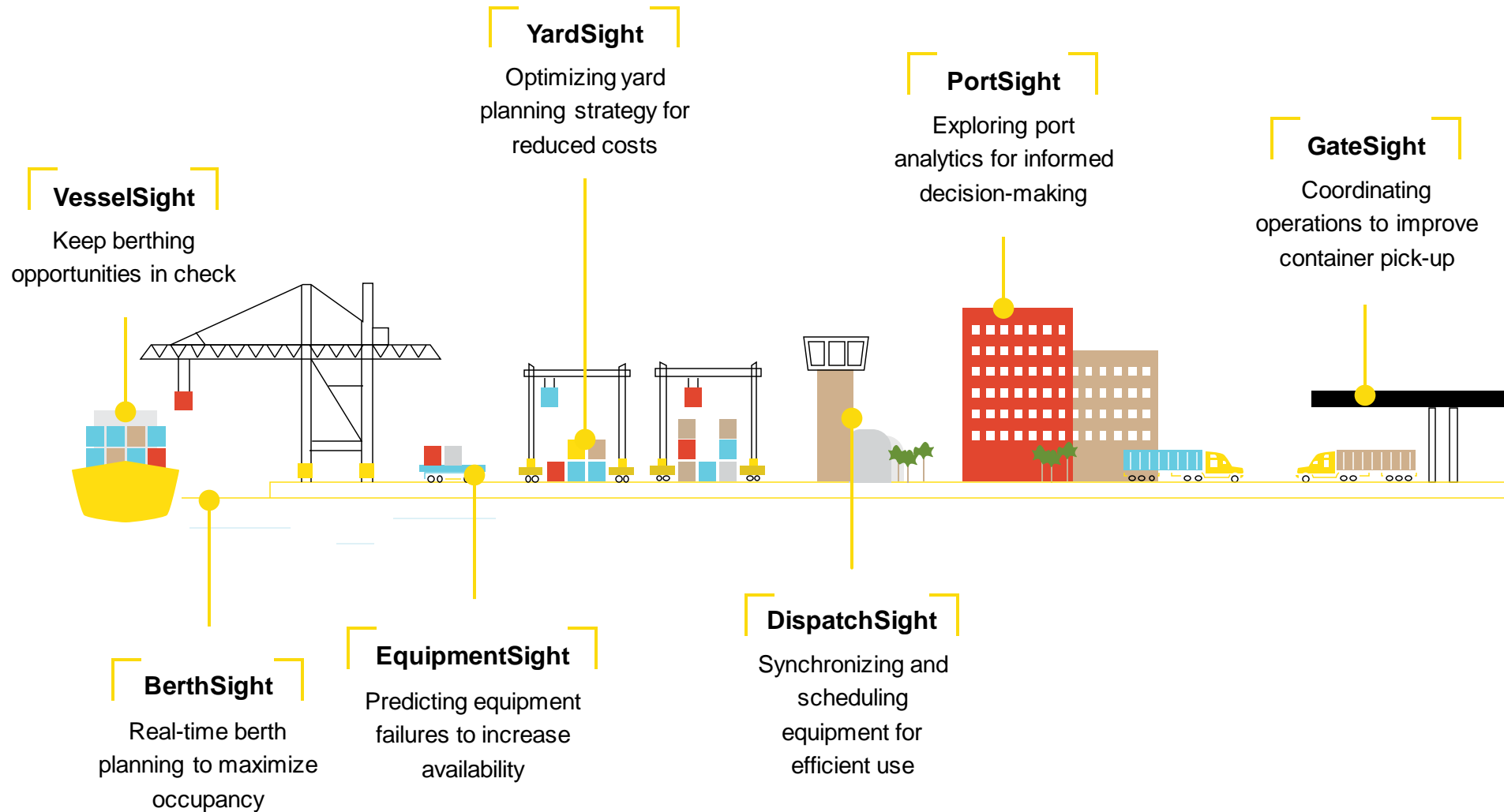
AI-enabled Modules

Combining Machine Learning, Operations Research and Big Data Engineering

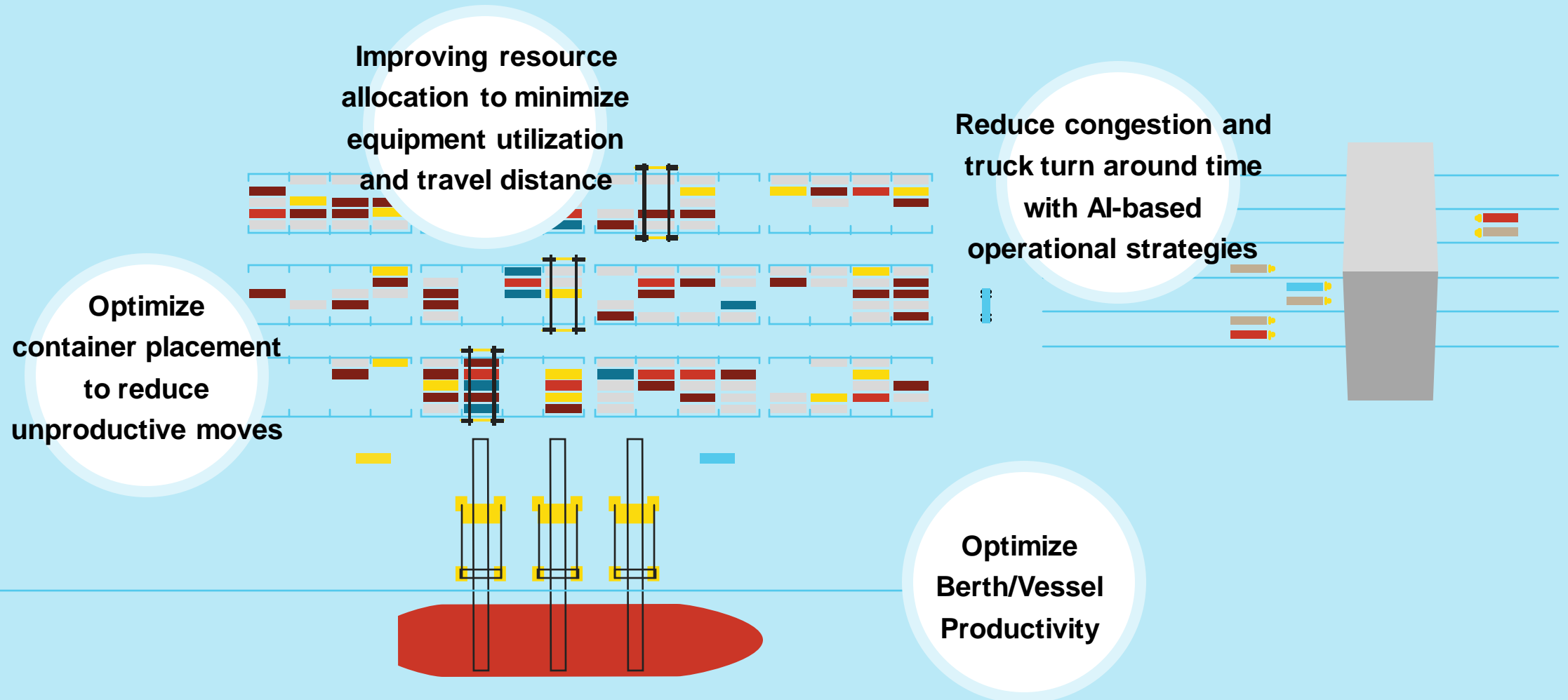
Integrating with TOS and sub-systems to generate visibility

Adapting quickly and continuously to changing conditions

Delivering value to the C-Level while helping analysts, managers, and planners across the terminal

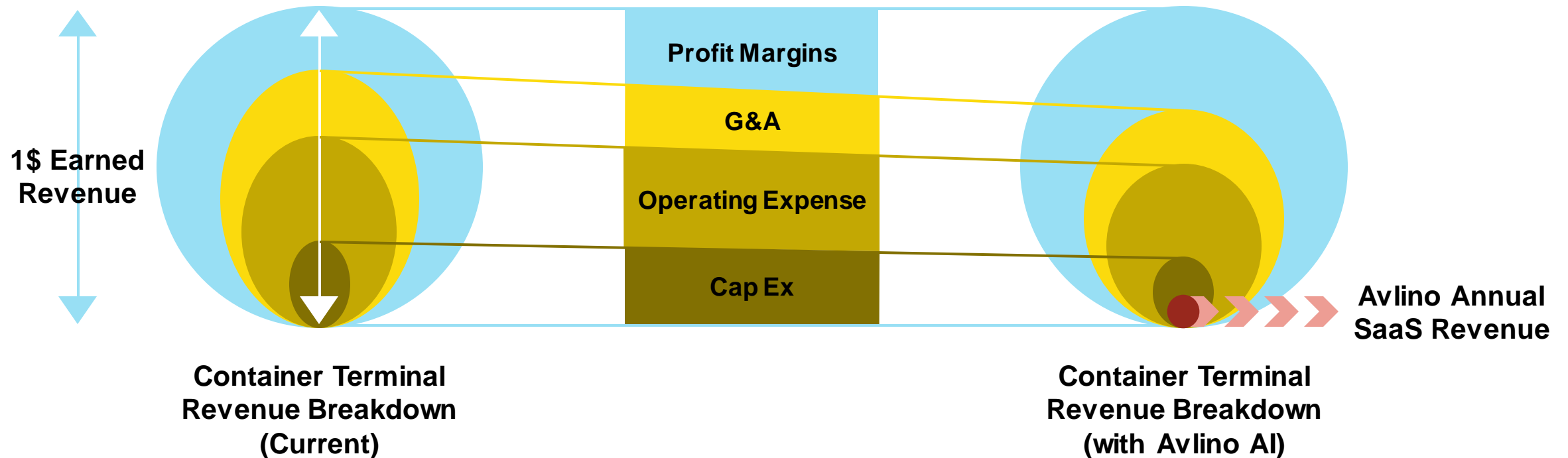


Opportunities for AI/OR based optimization



Avlino delivers its AI Solutions under a SaaS model

Each AICON module has an associated per year per terminal SaaS price



The clients realize a significant reduction in CapEx and OpEx by using AICON.
In the current deployment scenarios, customers are realizing a ROI in 3 months.



Solving the paradox with AICON

Before

Business KPIs
were taken as static

Software and operational logic
drove business outcomes

Container
Throughput

Now

Business KPIs are dynamic
and can be varied

Business objectives drive
the operational logic

Equipment
Utilization

Turnaround
Time

AI



Thank you

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