Standards Extending Value in the Downstream

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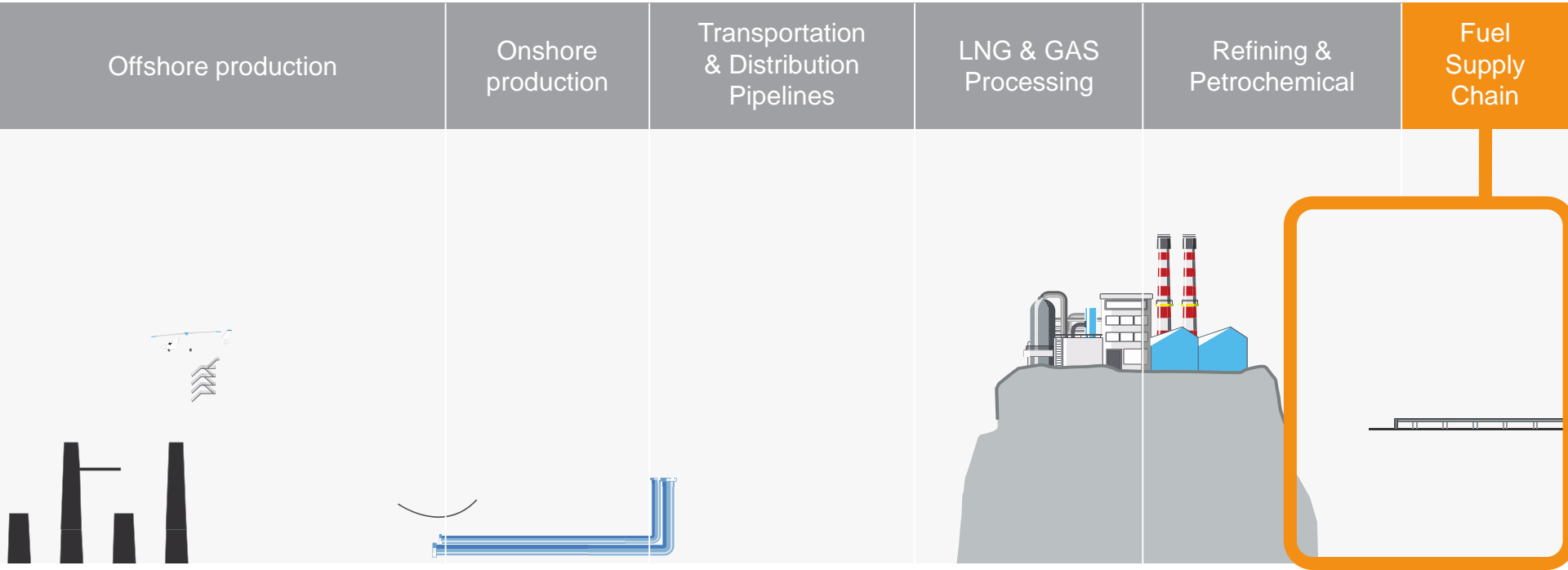
Agenda

- Intro

- PIDX Downstream – Why we need standards.

- Look at the standards and the problems solved today.

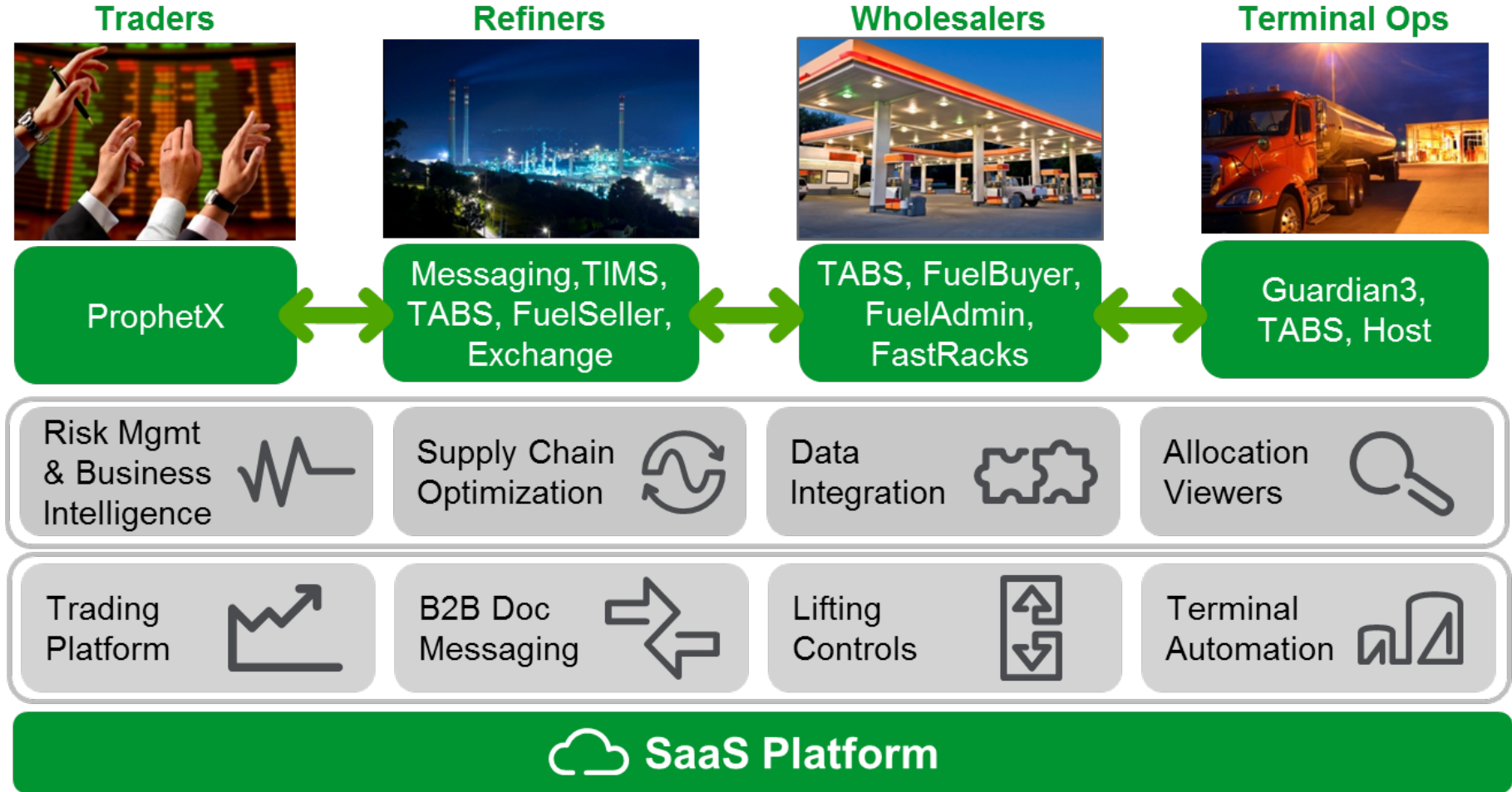- What's coming next in the downstream.

Introduction
DTN – Refined Fuels

We focus on the Downstream Fuel Supply Chain

Offshore production	Onshore production	Transportation & Distribution Pipelines	LNG & GAS Processing	Refining & Petrochemical	Fuel Supply Chain

Introduction

DTN – Refined Fuels

Traders	Refiners	Wholesalers	Terminal Ops

| ProphetX | ← → | Messaging,TIMS, TABS, FuelSeller, Exchange | ← → | TABS, FuelBuyer, FuelAdmin, FastRacks | ← → | Guardian3, TABS, Host |

Risk Mgmt & Business Intelligence	Supply Chain Optimization	Data Integration	Allocation Viewers

Trading Platform	B2B Doc Messaging	Lifting Controls	Terminal Automation

☁ SaaS Platform

Standards and PIDX Organisation
Why they are critical to success.

- Share industry knowledge from leaders with real world experience

- Standardise to create efficiencies

- Get eBusiness done the best way possible

- PIDX International organization

  - Establish protocols and standards that solve real-world problems in the downstream

  - Educate all effected parties of the benefits of using standards

  - Adapt to changing industry conditions to avoid diminished value of the standards

Expected benefits

- Support electronic exchange across the supply chain (eBusiness)

- Efficiencies and improved timeliness

- An industry solutions.

  - Examples of the VALUE

    - Commonality across countries.

    - Follow the sun support

    - Global solution for full back office integration

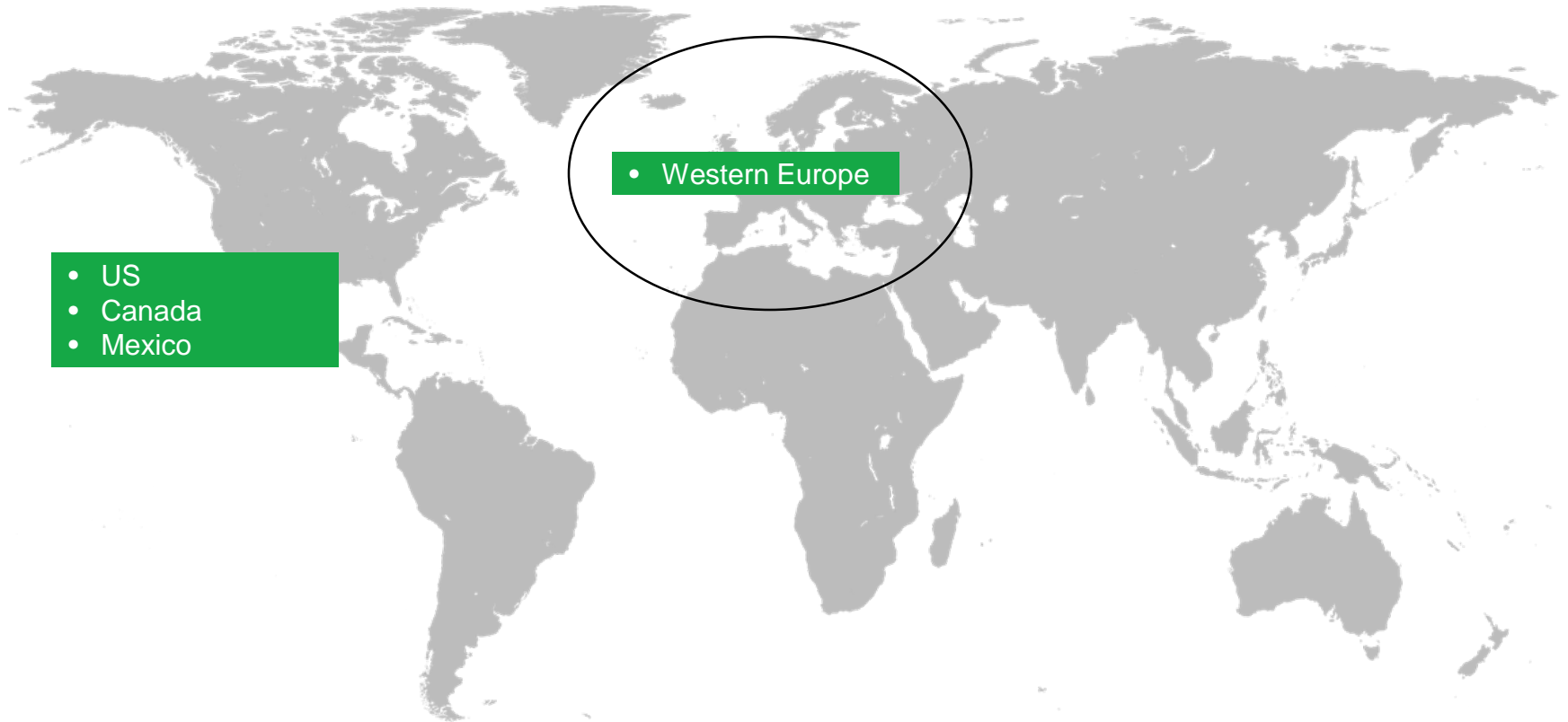# PIDX Downstream Standards

Existing Standards

- PDXR and PDXBOL (various Versions)
  - US and European coverage – primarily truck loading
  - In excess of 2 million right-to-lift and BOL transactions per month.
- Pipeline transactions
  - PIDX 1.31 for pipeline schedules
  - 1.21 for pipeline custody tickets.
- Planned movement
- Existing Master Data
  - Product Codes
  - Company Codes

Projects

- Master Data
- Terminal Inventory Notification
- Terminal Supply Event Notification

Focus of examples

How do the standards address current common challenges?
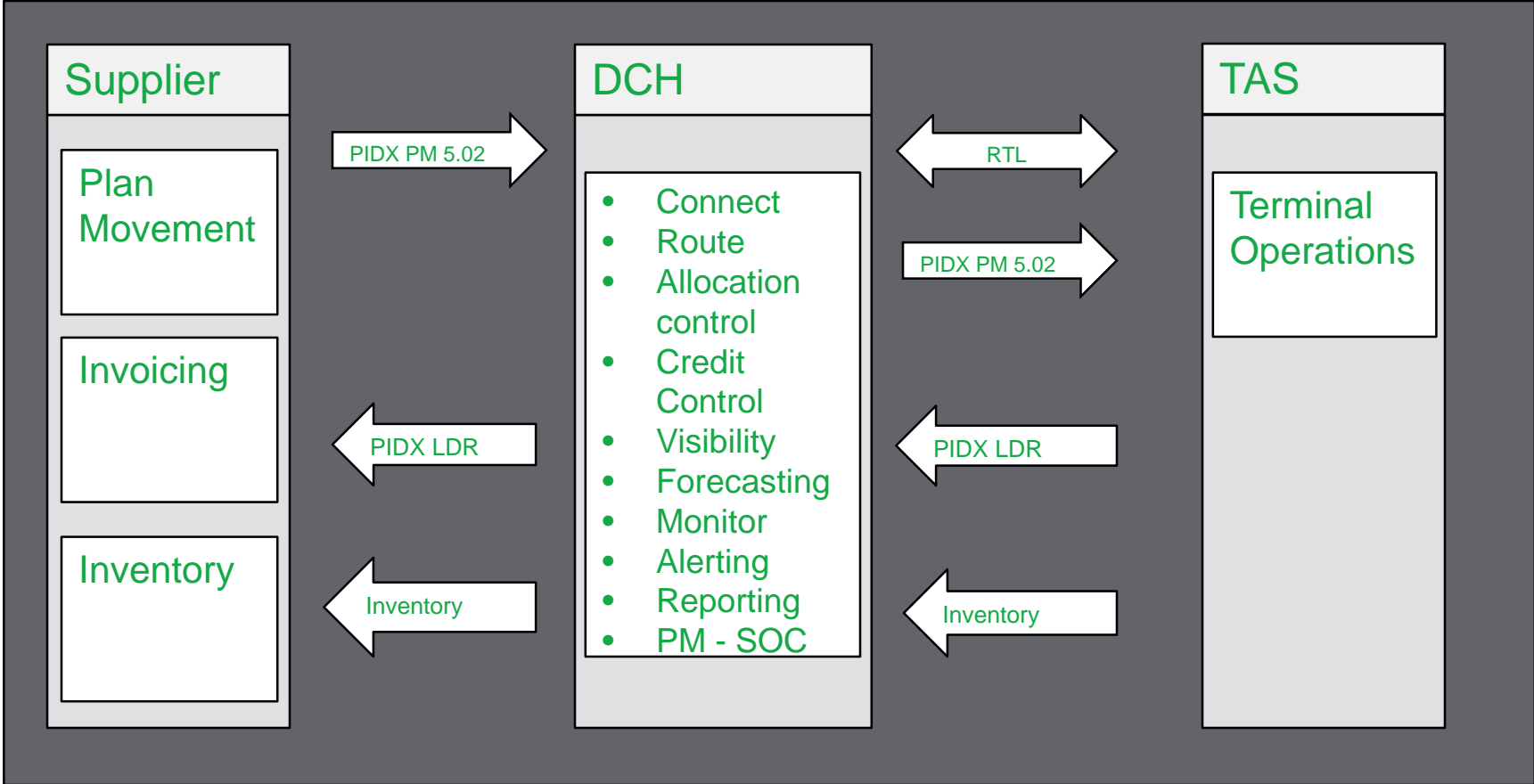
- Western Europe

- US
- Canada
- Mexico

Common Challenges

- Allocation and credit control
- Customer reconciliation of invoices with LDR/BOLs
- Accurate lifting at the rack
- Communication of product availability with customers and partners
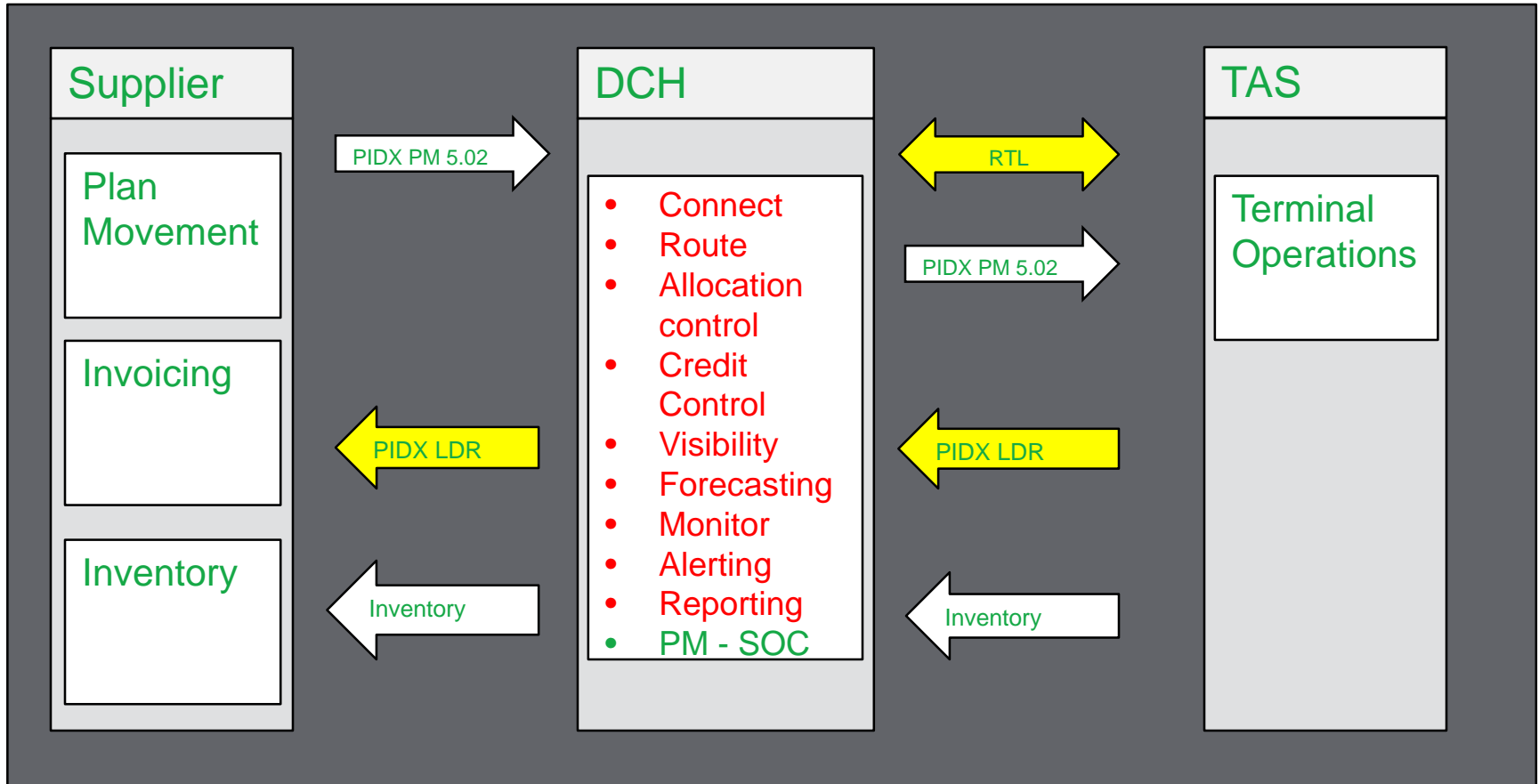- Managing and forecasting supply

Overview

Supplier
- Plan Movement
- Invoicing
- Inventory

DCH
- Connect
- Route
- Allocation control
- Credit Control
- Visibility
- Forecasting
- Monitor
- Alerting
- Reporting
- PM - SOC

TAS
- Terminal Operations

Supplier → DCH: PIDX PM 5.02
DCH ↔ TAS: RTL
DCH → TAS: PIDX PM 5.02
DCH → Supplier: PIDX LDR
TAS → DCH: PIDX LDR
DCH → Supplier: Inventory
TAS → DCH: Inventory

Rack Pickup

- Allocation Control

- Real time authorization standards - PDXR.

  - Product allocation control

  - Credit allocation control

- Batch BOL process PDXBOL

- Global support with PIDXv5.01 BOL

Overview – Right to Lift Scenario

Supplier

- Plan Movement
- Invoicing
- Inventory

DCH

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- Allocation control
- Credit Control
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TAS

- Terminal Operations

PIDX PM 5.02

PIDX LDR

Inventory

RTL

PIDX PM 5.02

PIDX LDR

Inventory

Preorder – Industry Boxes

- France - CPDP

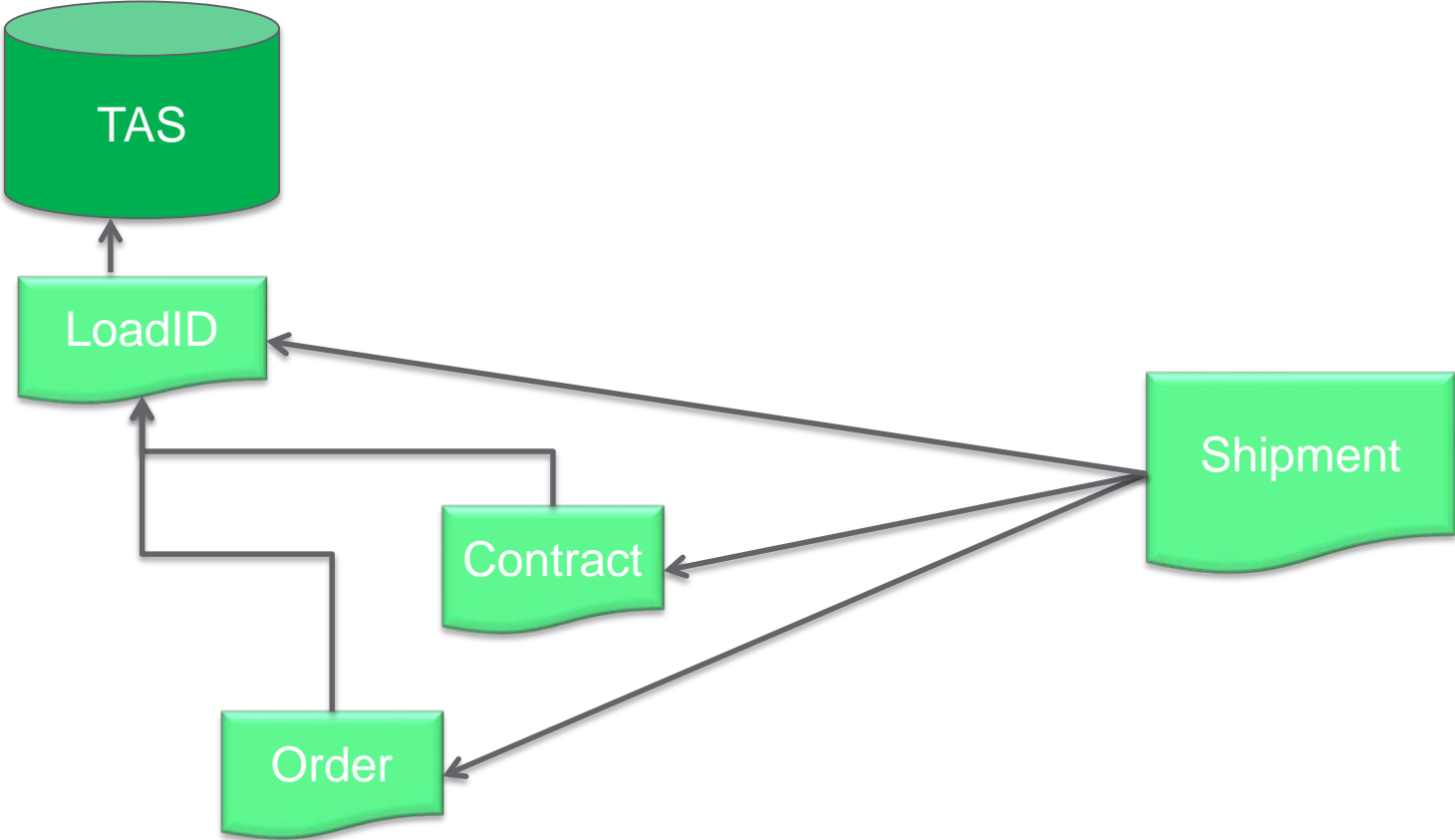- Italy Preorder Business

- Planned Movement – PIDX 5.02

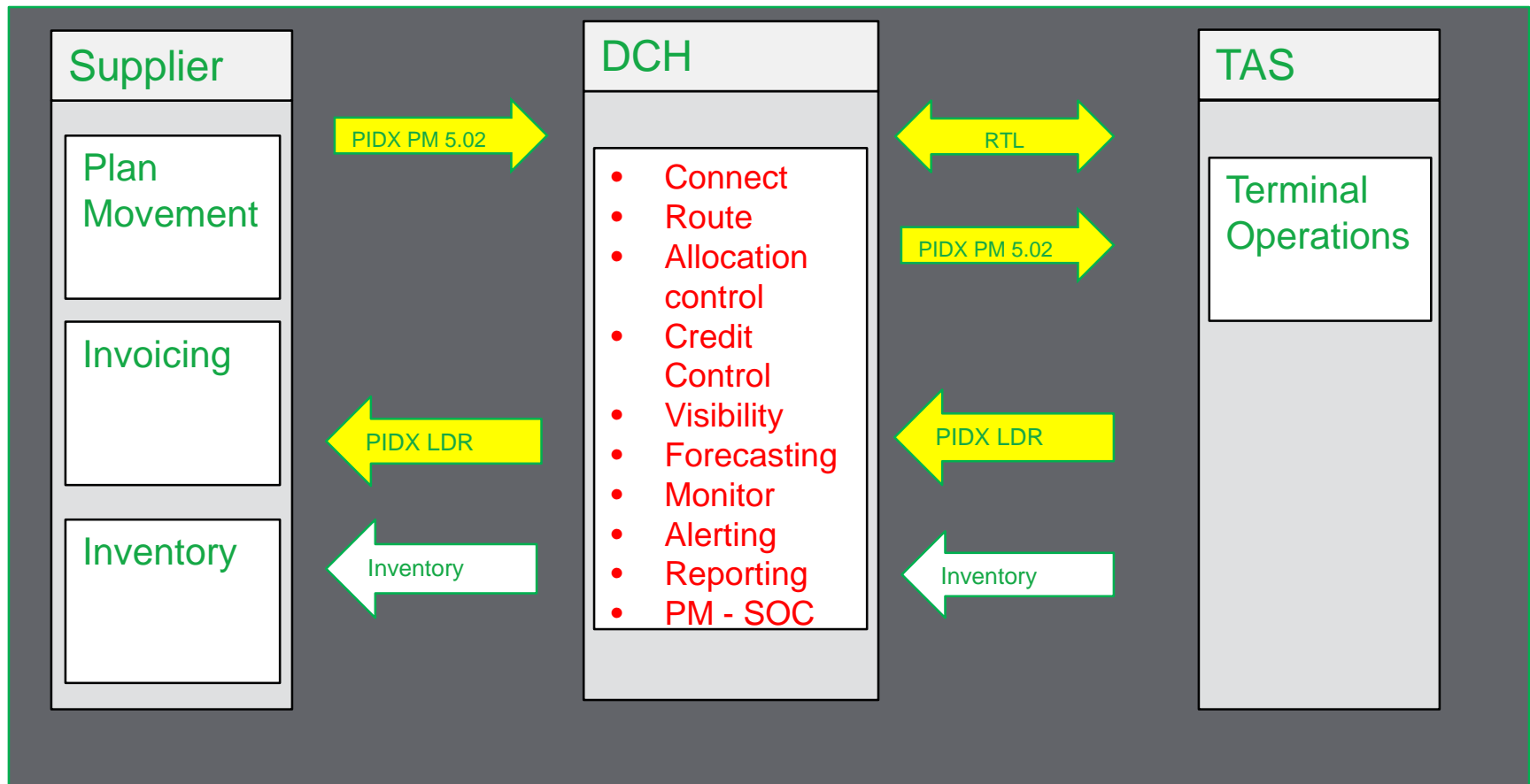# Preorders from Contracts

Planned Movement

- Orders

- Shipments

- Contracts

- Load Ids

- Nominations

Planned Movement

Overview – Planned Movement Scenario

Germany Load Id

- Germany –

  - MPKS

  - LID for customer, Product, Plant

  - Common Carriers

- Planned Movement PIDX 5.02

Nonstandard BOLs Translation Support

- Other European LDR/BOLs

  - BNL – PDT

  - MPKS

  - CPDP

  - Italy formats GXS and SIC

Other Benefits for Common Functionality

- Forecasting and Allocation Control

- Centralize Master Data

- Customer visibility to Allocation and supply availability

- Powerful tools to manage allocations

Downstream Open Projects

In progress

- Future areas being explored
  - Terminal Supply Event Notification
  - Terminal MasterData
  - Terminal inventory
  - Midstream – Pipeline location, etc.

Questions?

Thank you

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