

## Maximize the use of your resources.

You have intensive CAPEX and OPEX operations?  
You deal with daily hazards that require you to be agile?



### The Metronome Platform

Optimize the use of resources to cope with inflation while reducing carbon impact.

**CAPEX & OPEX FORECAST**

**ADAPTIVE PLANNING**

**AGILE EXECUTION (TMS)**



# Capabilities

### Workload dispatch

An algorithm that deploys to the right resources at the right time.

### Schedule & Plan

Continuous planning algorithm according to your constraints, priorities and business logic (e.g. FIFO, LIFO, etc.).

### Dynamic resource allocation

To quickly balance team workload and never lose capacity.

### Load Balancing

Redirect volume to alternative transports or different fulfillment locations to maximize efficiency.

### Local & global optimization

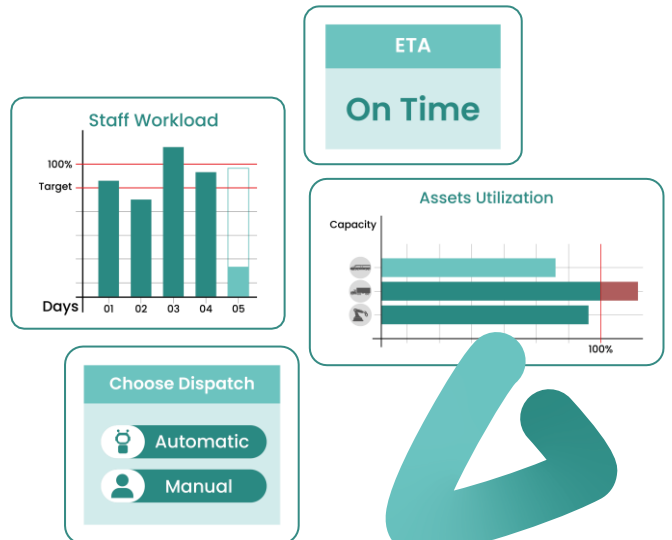
Optimization of the indicators of your choice such as cost or carbon emissions.

### Execution-Driven Replanning

Ingest data from the field to replan your activities according to these new constraints or bottlenecks.








### Scenario Planning & Analytics

Identify opportunities by modeling different scenarios to test various combinations of variables such as capacity, performance level, or availability.



## TMS Use Cases

Metronome offers a TMS solution for multimodal transportation. Metronome brings responsiveness and visibility to operational teams where resource management is critical and replanning needs are constant.

-  Seamless integration into your existing application ecosystem
-  Ingesting field data for an accurate representation of the fleet pool
-  Automatic (or semi-automatic) selection of transport mode(s)
-  Optimization and consolidation of shipments and cargo
-  Data collection for easy reporting (CO2 emissions)
-  Real-time dashboard on load, capacity and performance
-  Intuitive web and smartphone interfaces



Order & Field    Supervision    Planning

## Multimodal Transportation and Container Logistics

Plan and allocate shipments to corridors given timing, carbon emissions and containers availabilities.

## SOME FEATURES

- ✓ Associate orders and containers with the right flows/modes/corridors according to the availability and load of your boats, trains and trucks
- ✓ Rebalance the load and modes according to contingencies and priorities
- ✓ Monitor the progress of flows and measure performance

### -10%

#### CO2 Emissions

Through live redispach of orders through most suited assets

### +20%

#### Capacity Utilization

Through live redispach of jobs against available and skilled resources

### 100%

#### QA Compliance

Through live selection of the right workflows and live procedures

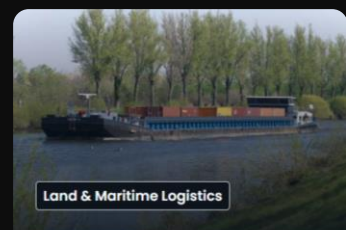
Check out our other online use cases



Order & Field #31

### Order Picking & Dispatch

Real-time allocation of resources for efficient order picking in warehouses.



Supervision    Planning #04

### Vessels and Barges Planning

Optimize planning and decision-making for maritime and rivers operations.