

# Naval Advantage through 3d contextual realism.

Navy Leaders 2023

Lee Vessey  
Dir. Platforms  
E: [lee.v@datifex.com](mailto:lee.v@datifex.com)  
C: +1 (613) 302-4920

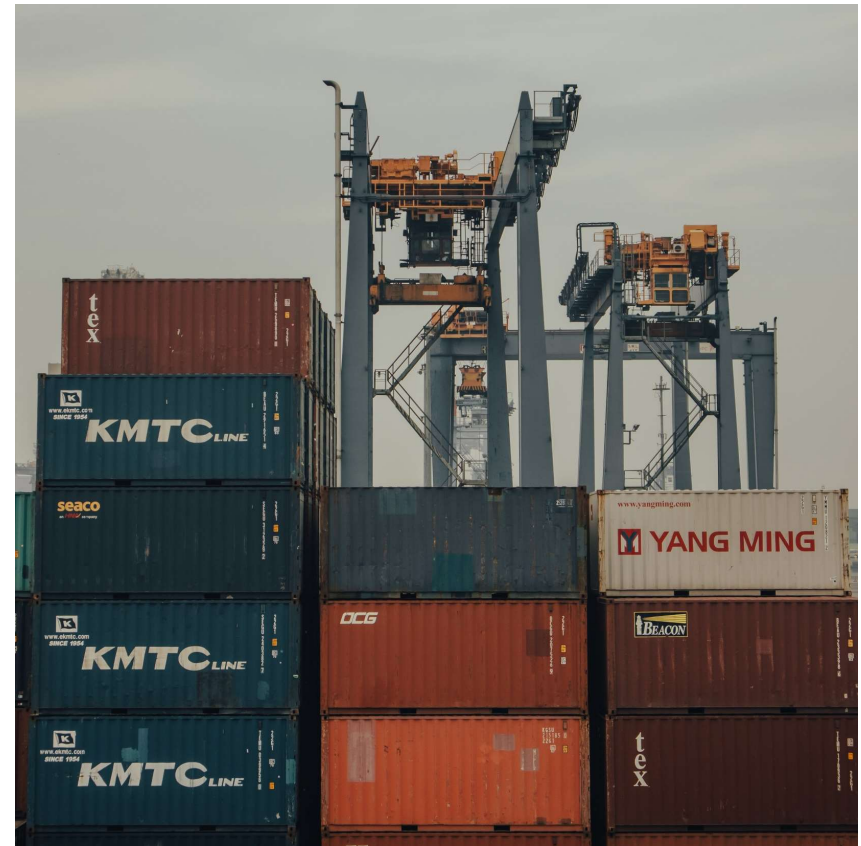


**DATIFEX**

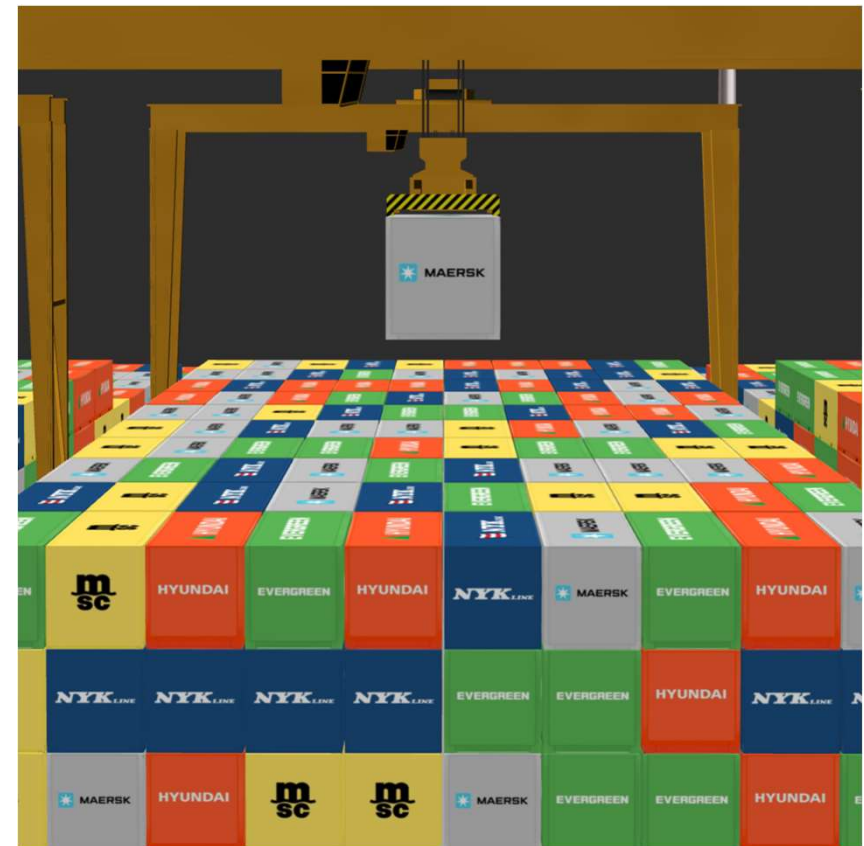
“ [ Datiflex's ] Digital Dockyard will **revolutionize** our safety practices while improving our operational output ”

-Commander Meredith,  
FMF Cape Breton

# Safety + Efficiency through **physical** infrastructure



# Safety + Efficiency through digital infrastructure



# An evolution of human + machine interfaces

```
- $ibmcloud help
NAME:
  ibmcloud - A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] ibmcloud [global options] command [arguments...] [command options]

VERSION:
  1.1.0+cc908fe-2020-01-29T09:33:25+00:00

COMMANDS:
  api                Set or view target API endpoint
  login              Log user in
  target             Set or view the targeted region, account, resource group, org or space
  config             Write default values to the config
  update            Update CLI to the latest version
  logout            Log user out
  regions            List all the regions
  version            Print the version
  resource           Manage resource groups and resources
  iam               Manage identities and access to resources
  dev               Create, develop, deploy, and monitor applications
  app               (Deprecated) Manage Cloud Foundry applications and application related services
  service           (Deprecated) Manage Cloud Foundry services
  billing            Retrieve usage and billing information
  plugin            Manage plug-ins and plug-in repositories
  cf                Run Cloud Foundry CLI with IBM Cloud CLI context
  catalog           Manage catalog
  account            Manage accounts, users, orgs and spaces
  enterprise         Manage enterprise, account, groups and accounts
  ap                Manage IBM Analytics Engine service
  cob               For IBM Cloud Database commands
  cfe               Manage Cloud Foundry Enterprise Environments
  cloud-functions   Manage Cloud Functions
  cos                Interact with IBM Cloud Object Storage services
  cs                Manage IBM Cloud Kubernetes Service clusters
  vpc                Manage Virtual Private Cloud Infrastructure service
  is                An IBM Cloud command line plugin to generate an SDK from an OpenAPI
  sdk                specification document or to validate an OpenAPI spec
```



# The next generation engagement system











And turning it into this...





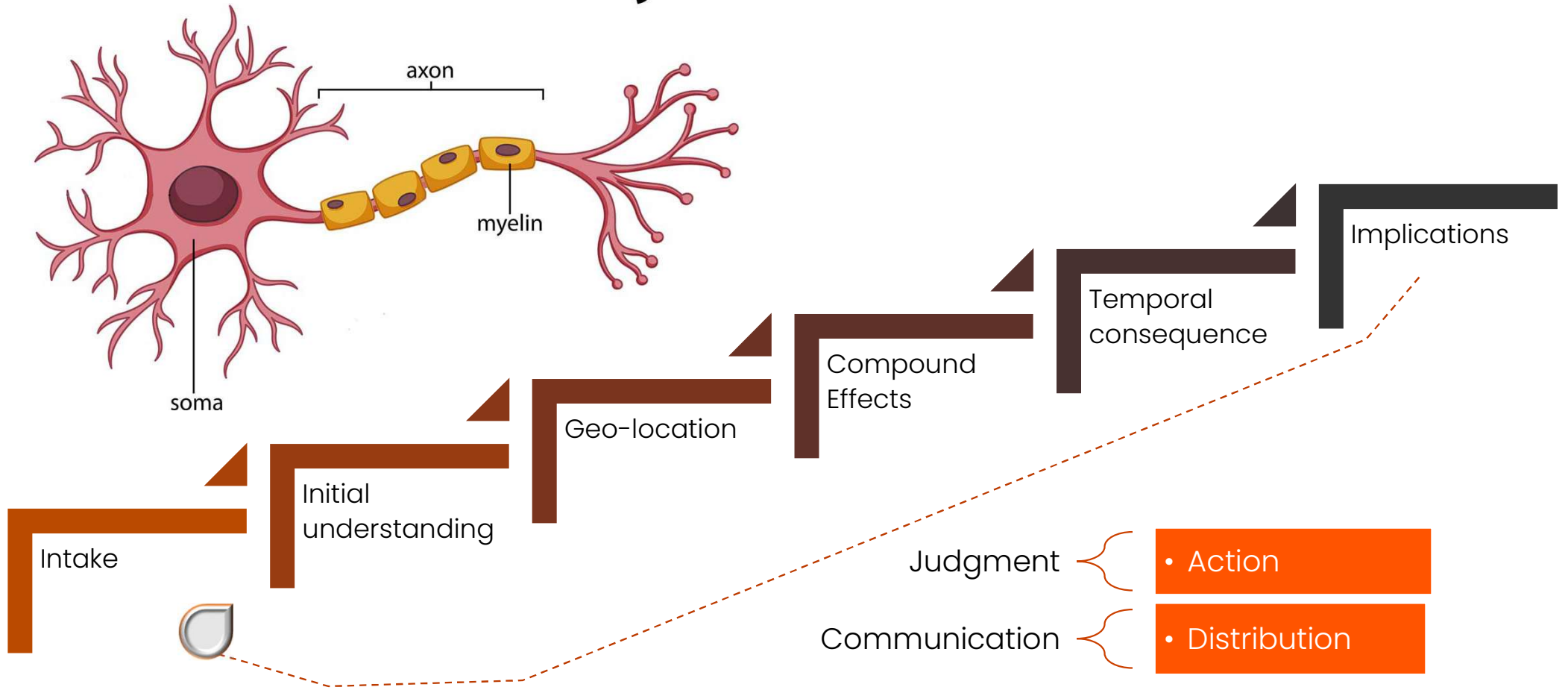
01-Mar-2021

01-Mar-21

Today







## SEAREADY™

Datifex's Naval Platform and Products:

## BUILDSTATE™

Bring transparency to the build process and visualize progress by connecting engineering production models to OEM and commissioning data.

## FLEETSTATE™

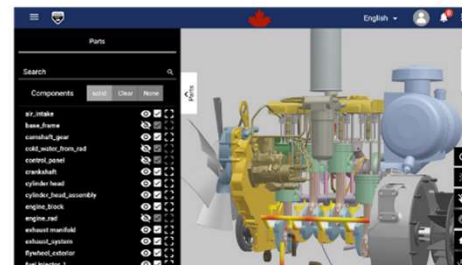
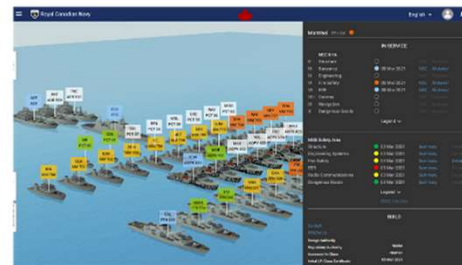
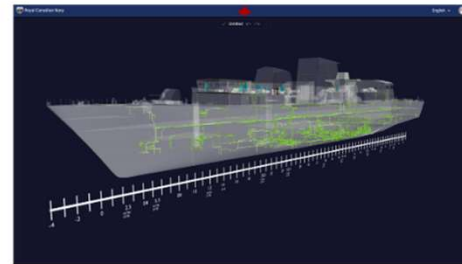
Ensure operational readiness by mapping defects, interacting with the ship systems, and connecting it all to regulations like the Naval Ship Code.

## DIGITALDOCKYARD™

Improve safety through shared situational awareness by coordinating Waterfront Management, Fleet Maintenance Facilities and sailors to support the fleet.

## CREWSTATE™

Reduce training costs by connecting curriculums with digital twins of marine and combat systems, and gamifying the learning experience.



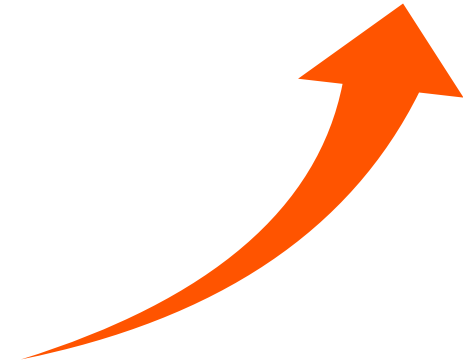


SEAREADY™

FLEETSTATE™



BUILDSTATE™



# CREWSTATE

All SeaReady capabilities are available for sailor training

Digitalized "Know Your Ship" experience



Engage



Inspire





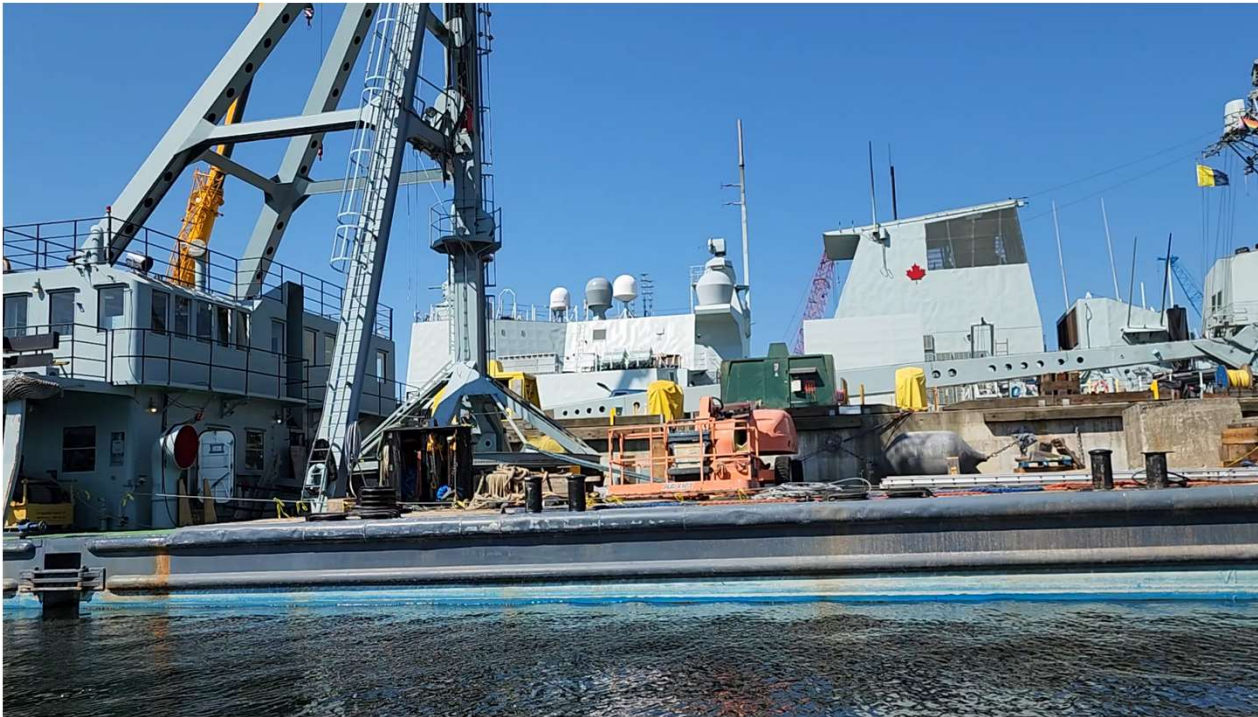
# DIGITAL DOCKYARD



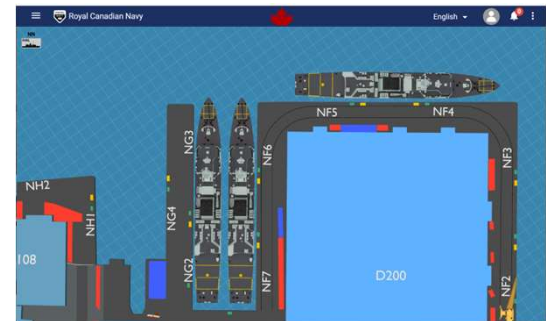
CFB Halifax



CFB Esquimalt



[play video](#)



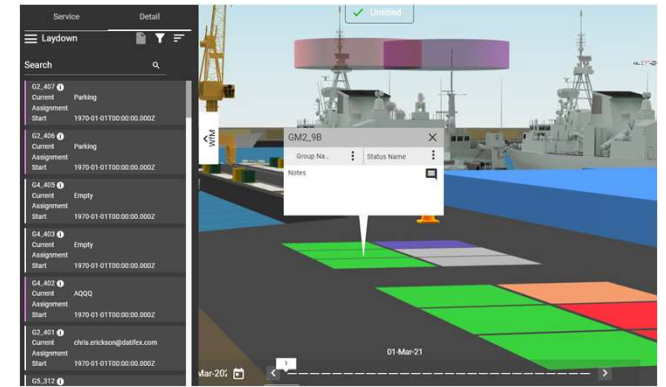
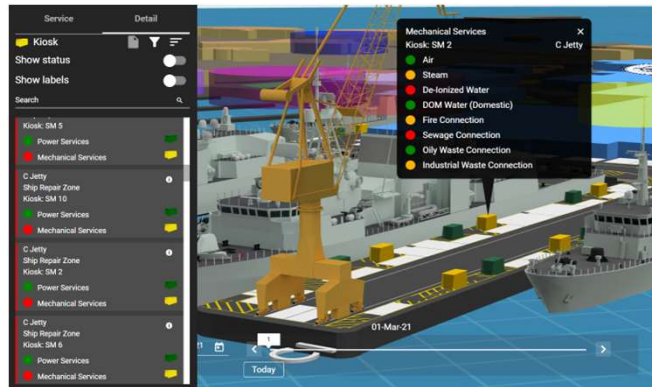
## Drag & Drop Ship Movement Scheduling



## Power & Mechanical Services



## Laydown areas



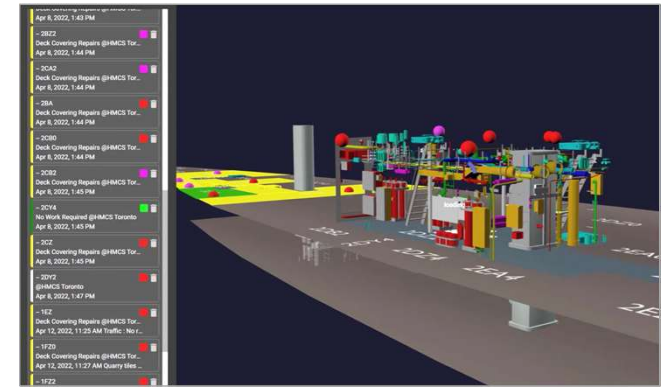
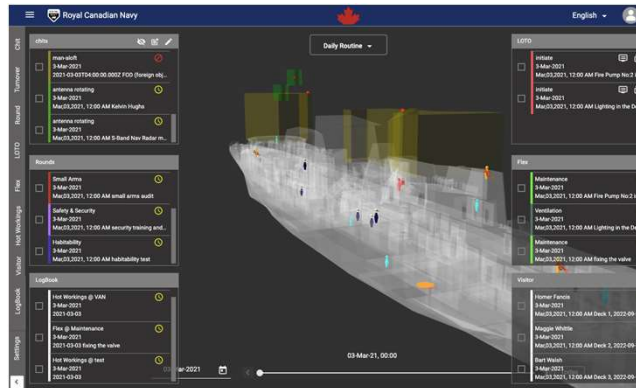
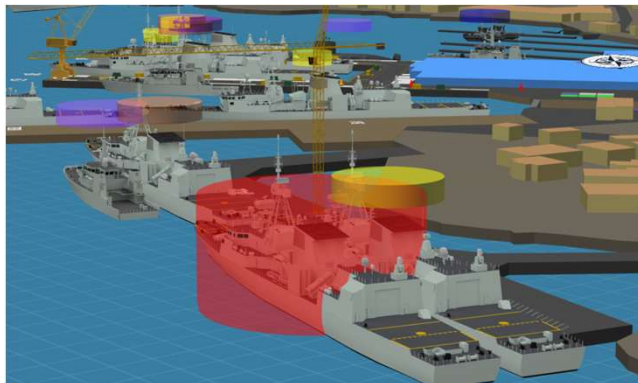
## Activity Scheduling & Auto-RADHAZ Deconfliction



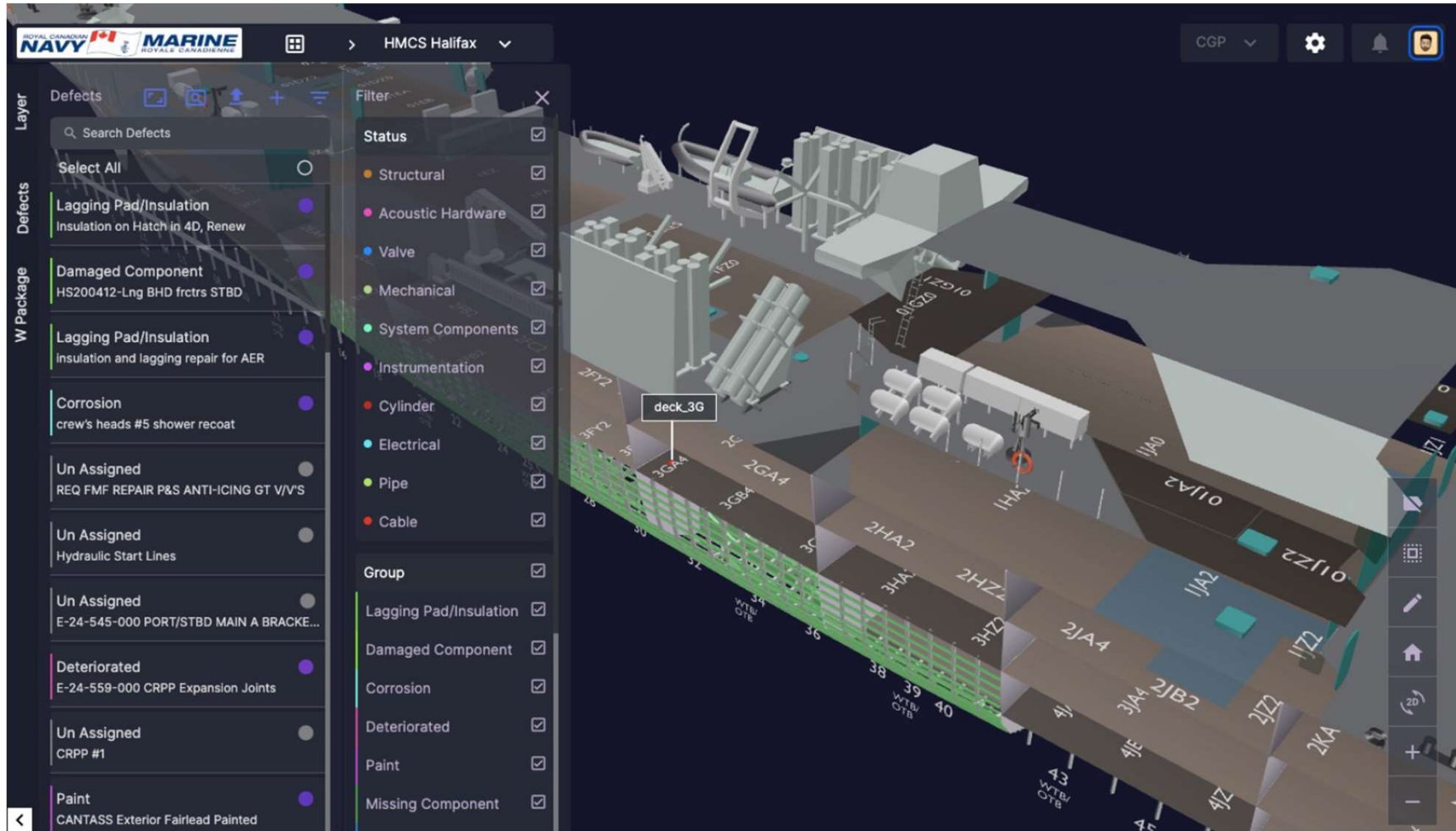
## Digital Duty Watch



## Short Work Period



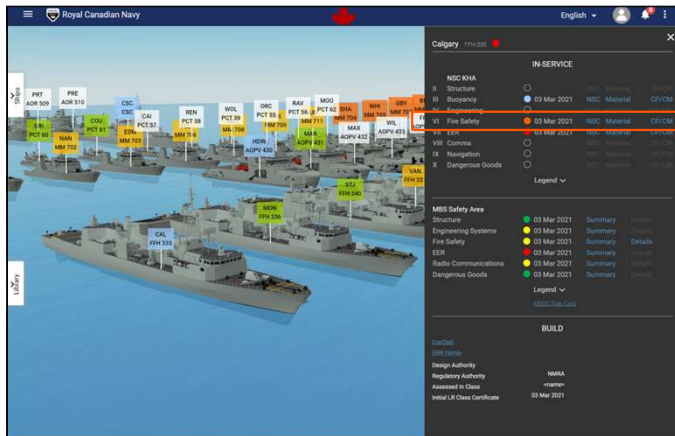
# FLEETSTATE



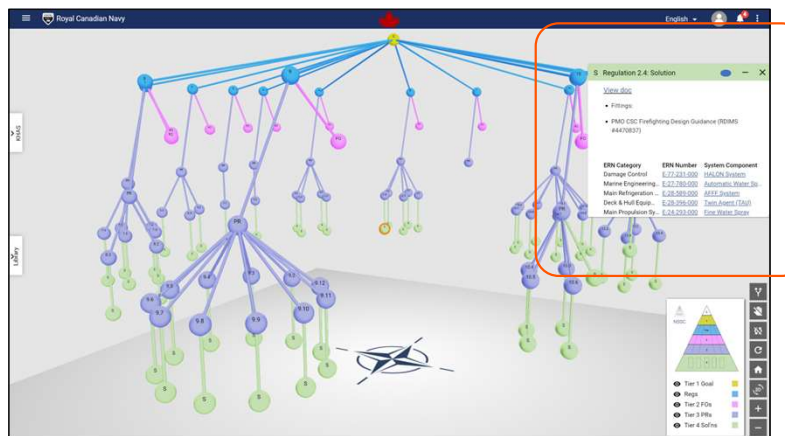
# FLEETSTATE

## Smart Certification System (SCS)

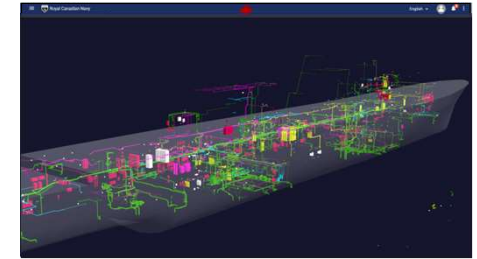
Fleet State



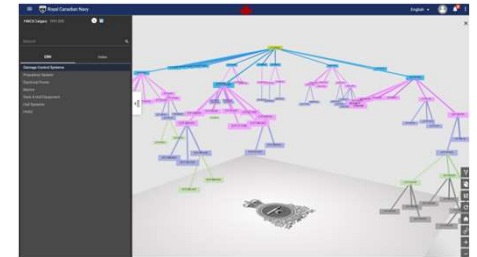
NCS Fire Safety KHA



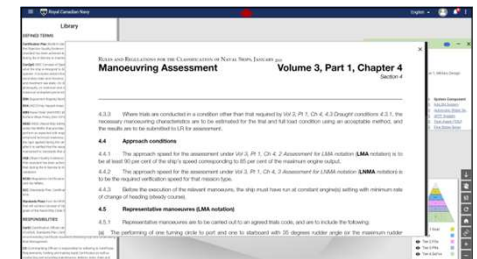
KHA System



ERN Parts Tree



Lloyd's Rules



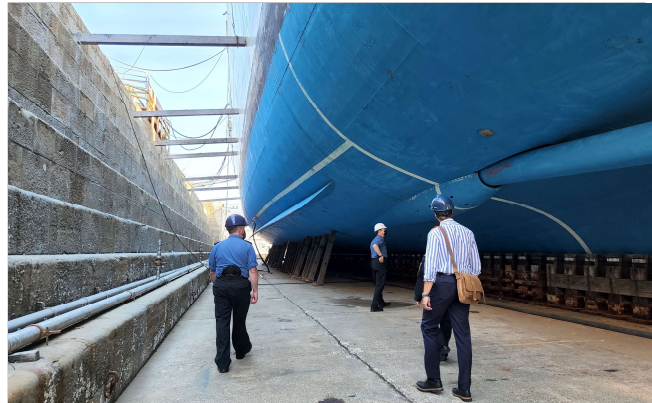
# FLEETSTATE

## Digital Maintenance Management System (DMMS)

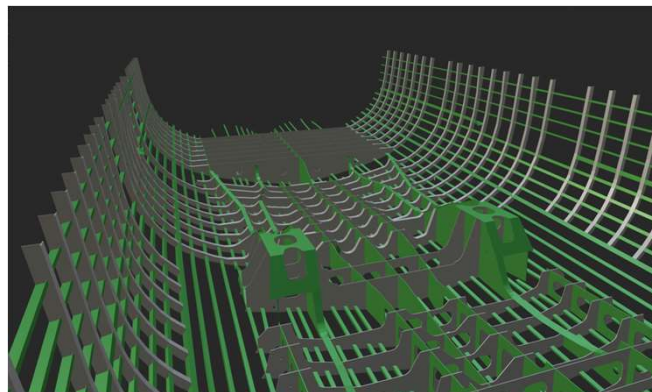
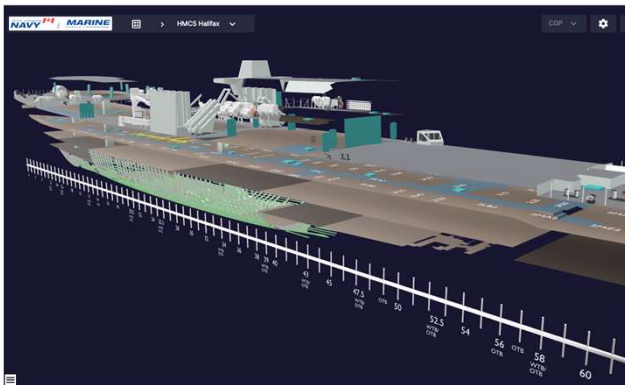
Dockyard Work Period



Structures



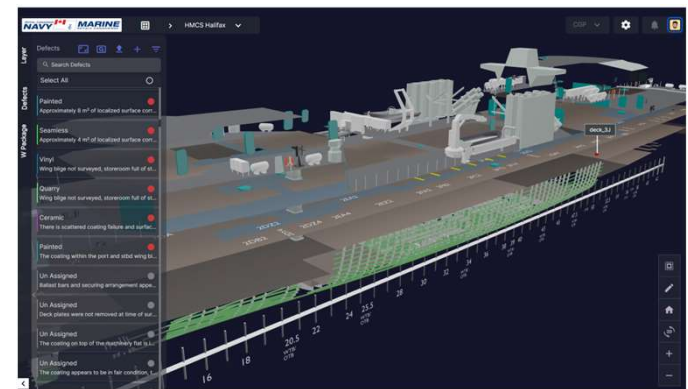
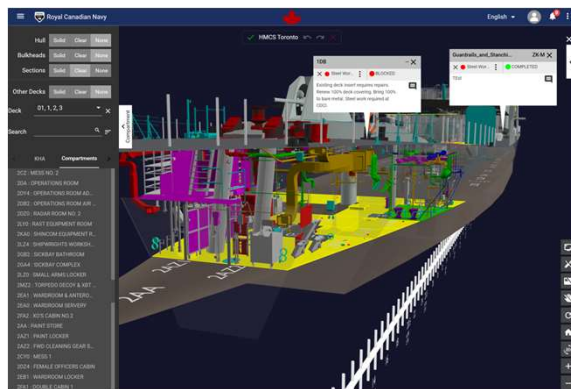
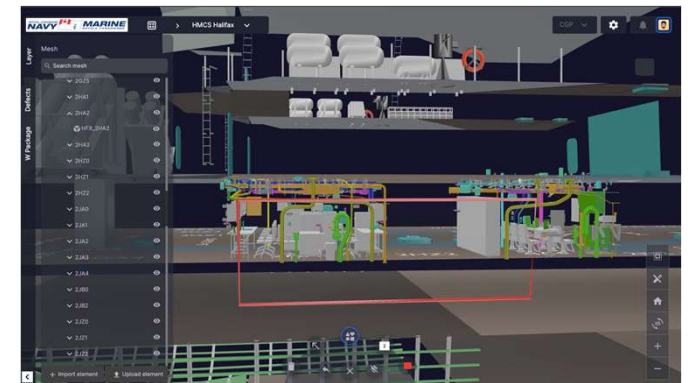
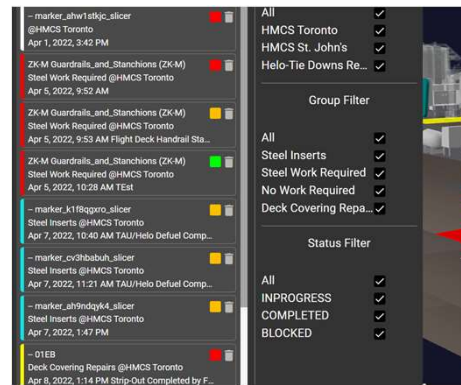
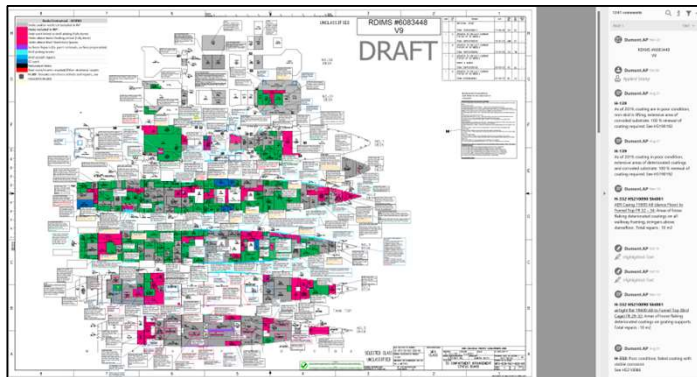
Defects



# FLEETSTATE

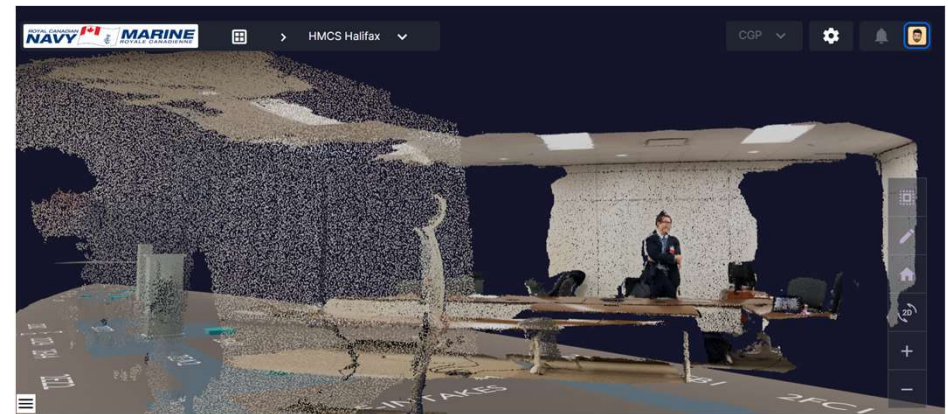
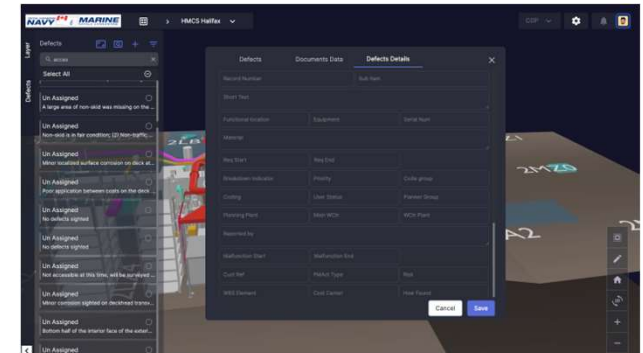
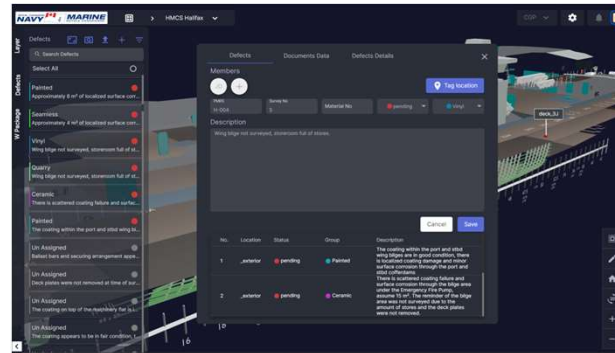
## DMMS

### Defects, Discrepancies, Work Packages



## DMMS

Maintenance Surveys, Photo Syncs, LiDAR





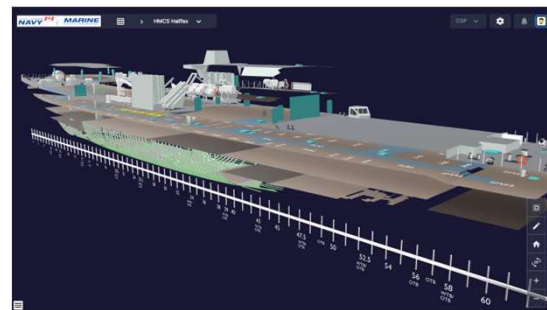
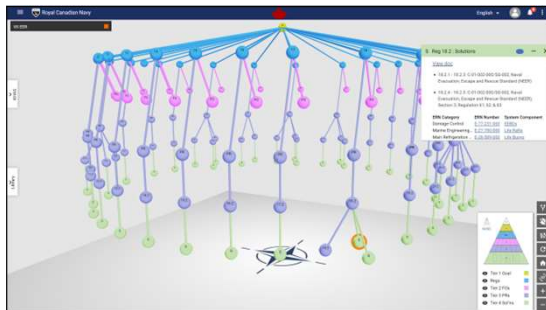
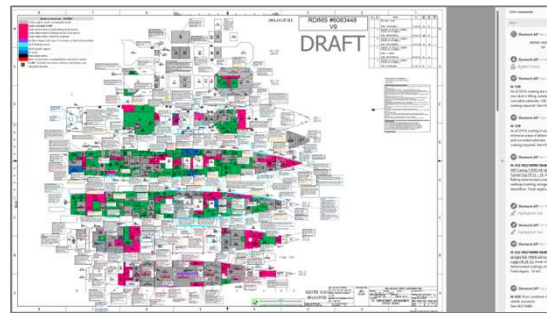
# FLEETSTATE

# BUILDSTATE

SCS Smart Certification

DMMS - MAINTENANCE  
Management System

DBMS - BUILD  
Management System



Thank you.

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Lee Vessey  
Dir. Platforms  
E: [lee.v@datifex.com](mailto:lee.v@datifex.com)  
C: +1 (613) 302-4920

CNE ,, Booth E09

CANSEC, Ottawa, Booth A25



**DATIFEX**