

# Update on S-131 Marine Harbour Infrastructure Database Project

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# S-131 Marine Harbour Infrastructure Database Project

## – Objectives & Deliverables

- **Objectives:**

- Create a S-131 database infrastructure and a database
- Support the creation of S-131 (and S-101) products
- Facilitate the exchange of information between harbours, HOs and port users (e.g., mariners, shipping lines, trading floors)

- **Deliverables:**

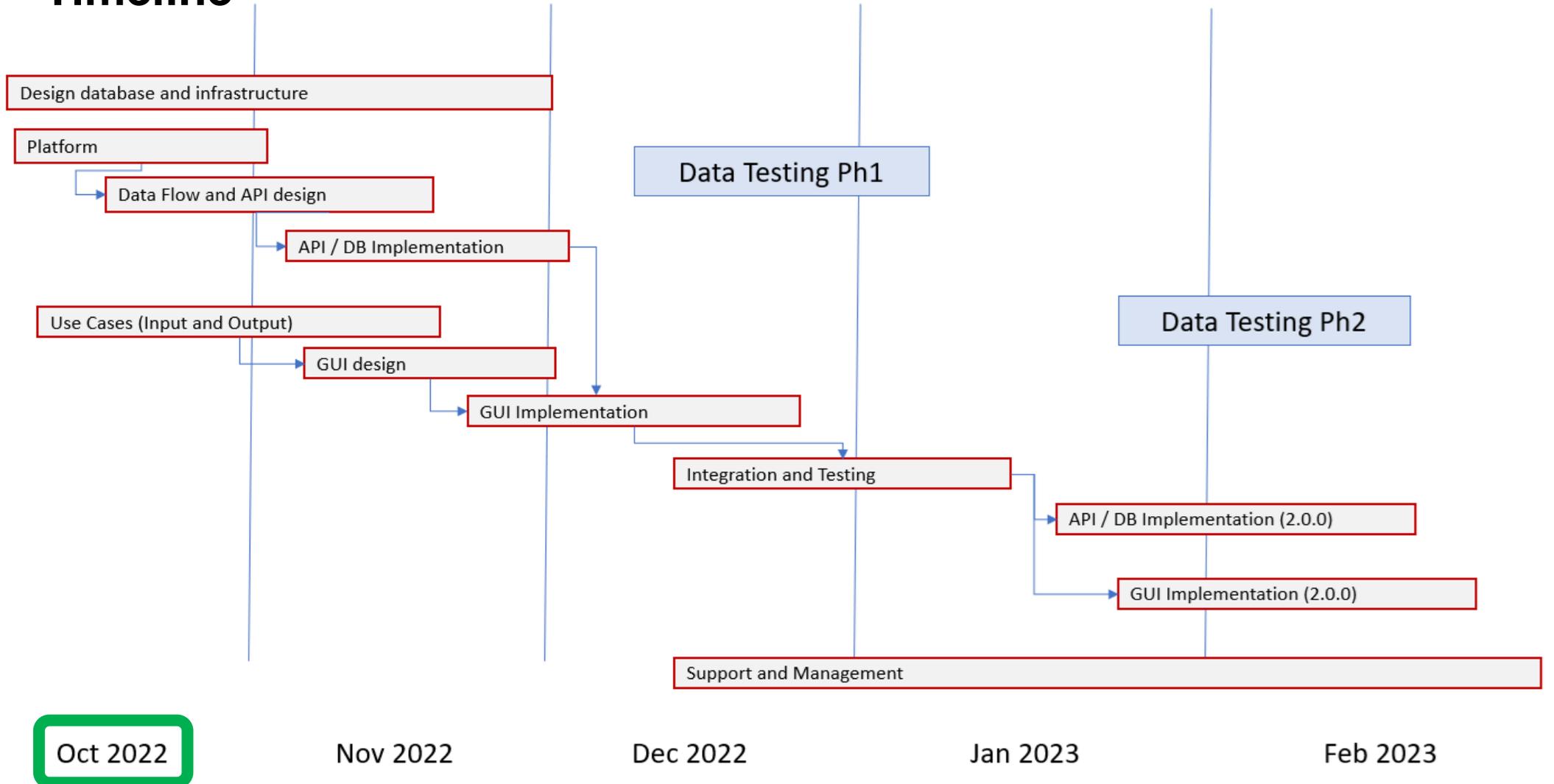
- Operational S-131 database and infrastructure
- A physical implementation of the database suitable for access by contributors and participants
- A Graphical User Interface (GUI)
- Create an Application Programming Interface (API)
- Documentations

# S-131 Marine Harbour Infrastructure Database Project

## – Progress Update

- API Development:
  - [Completed] Cloud infrastructure and domain name on Amazon Web Services (AWS)
  - The usage of APIs will be moderated with authorisation keys
  - APIs will be rolled out within the next couple of weeks
  - Output for the Web Graphic User Interface (GUI) will be in JSON/GeoJSON
  - Outputs for end-users can also be downloaded accordingly
  - Meeting with IHO-Singapore Lab for redeployment by 27/11/2022
- GUI Development:
  - Port information are populated into the Web Portal for test
  - A Github has already been created to store the test datasets and API specifications
  - Only open source software is being used for the portal development
  - Each country will have their own web service and the base map can be switched accordingly
  - Finalising configuration of the cloud infrastructure for the web portal

# S-131 Marine Harbour Infrastructure Database Project – Timeline



Oct 2022

Nov 2022

Dec 2022

Jan 2023

Feb 2023



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SINGAPORE

**Thank You!**