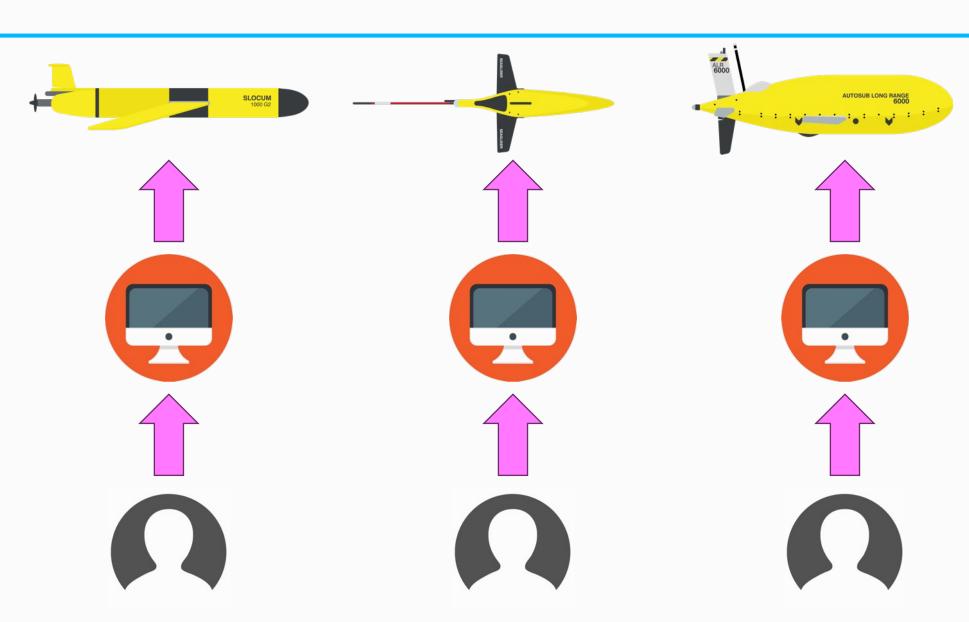


THE PAST



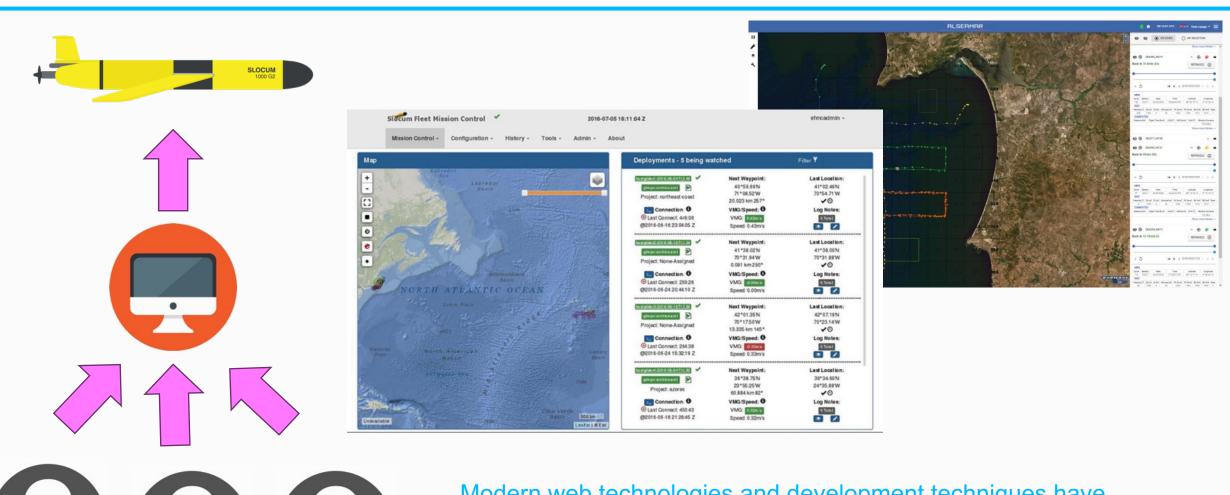


Pilots operated Marine Autonomous Systems on a one-to-one basis.

This model is unsustainable for operators with many vehicles or fleets with different platform types.

RECENT C2 ADVANCEMENTS

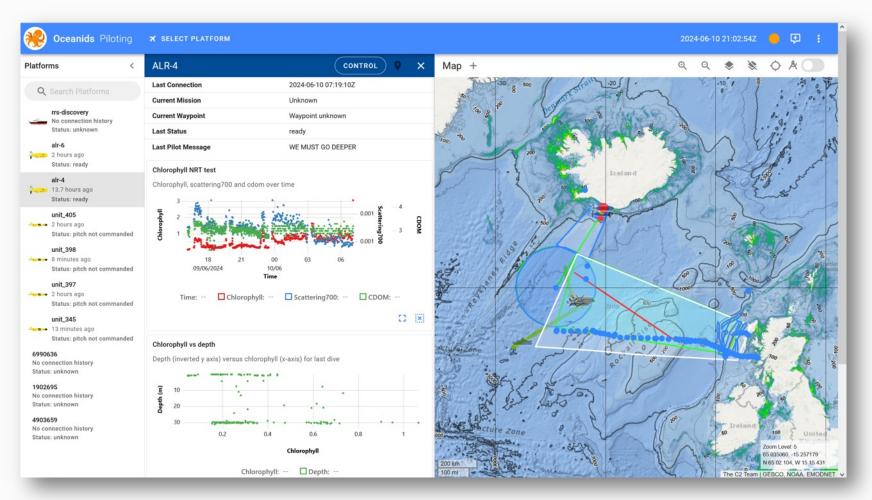


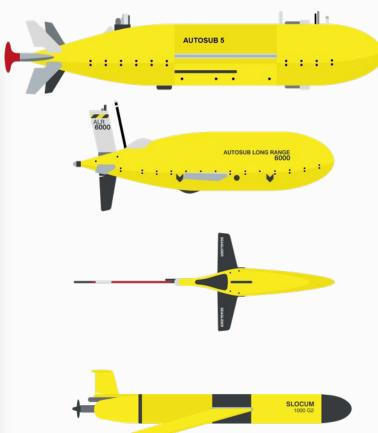


Modern web technologies and development techniques have allowed pilots command and control fleets of the same platforms from any internet connected device.



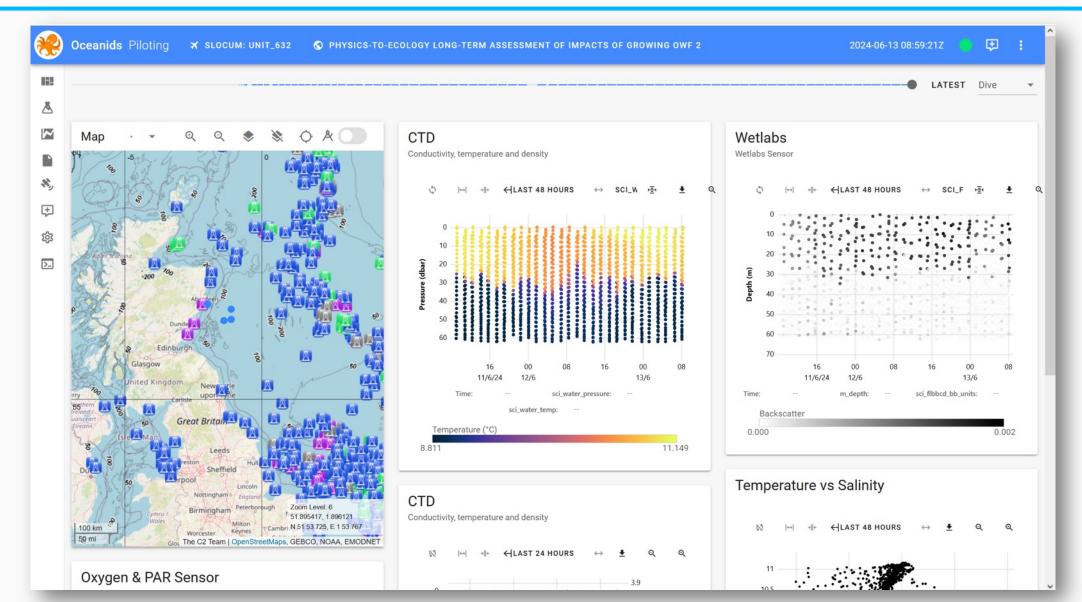






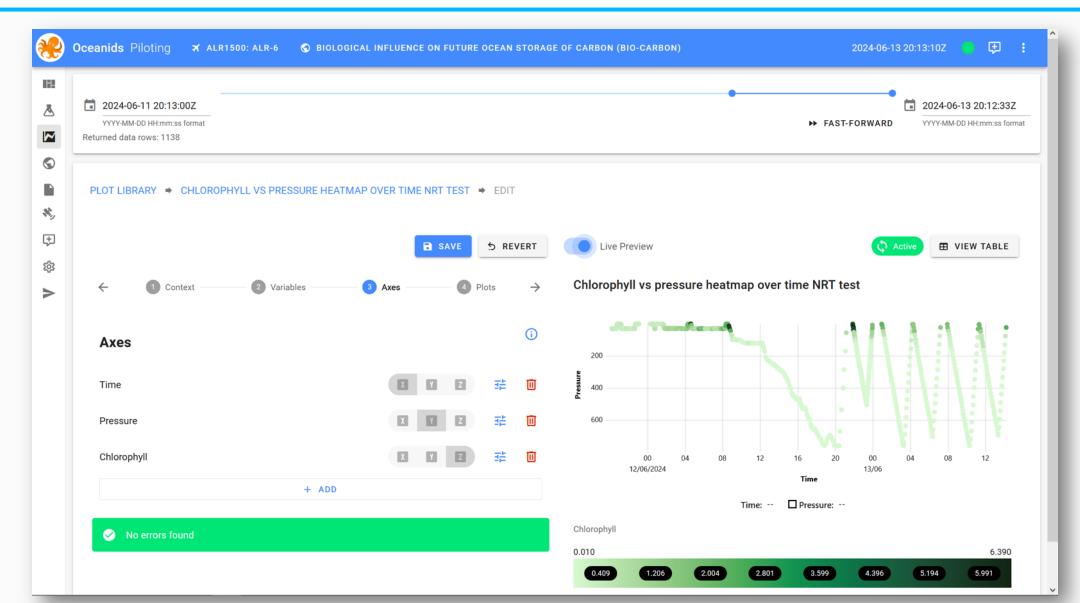






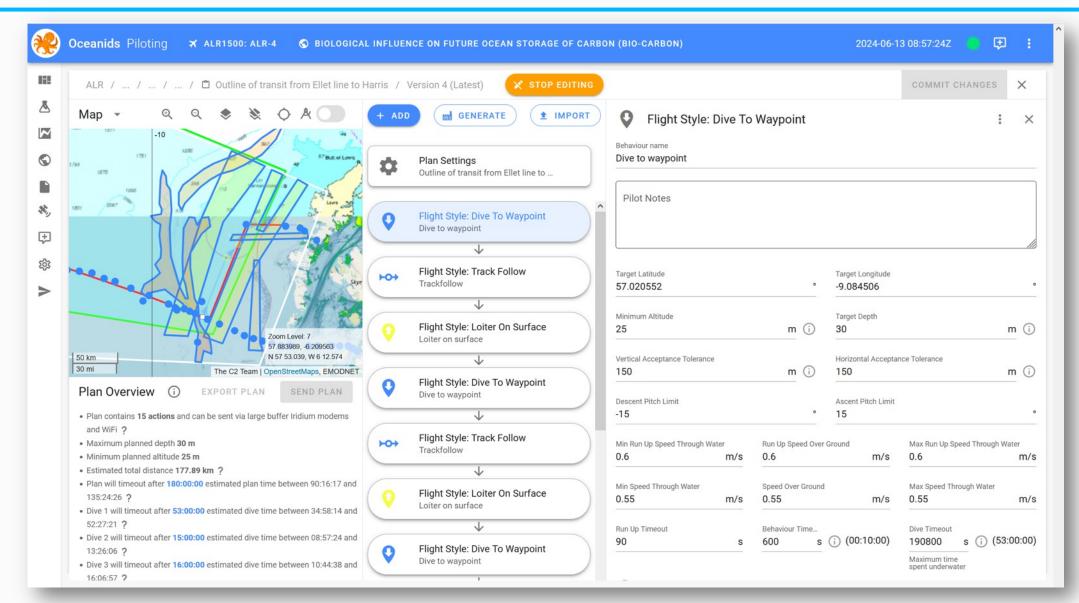








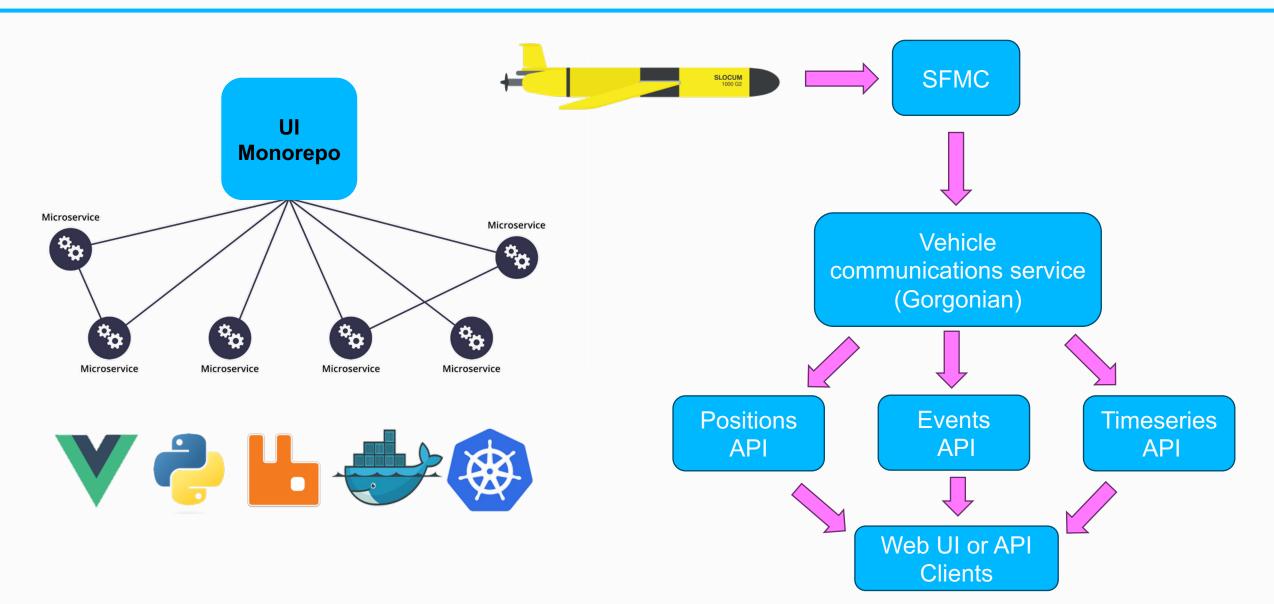




NOC C2 ARCHITECTURE

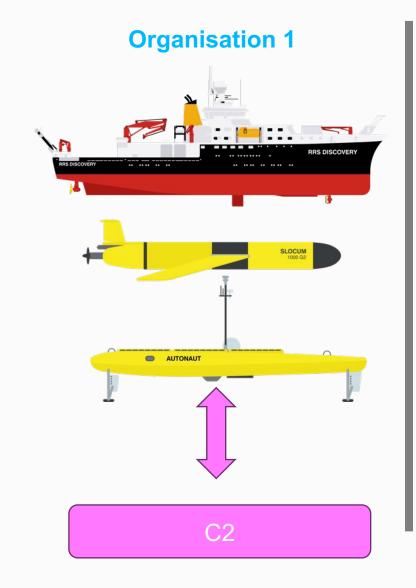


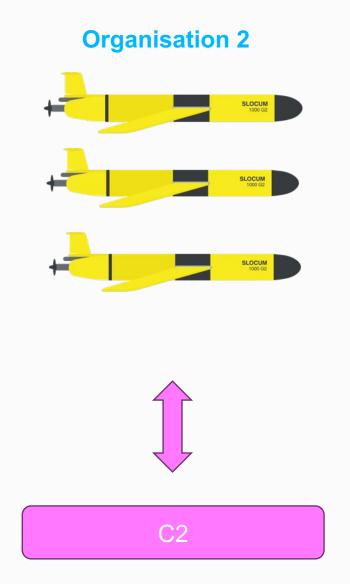


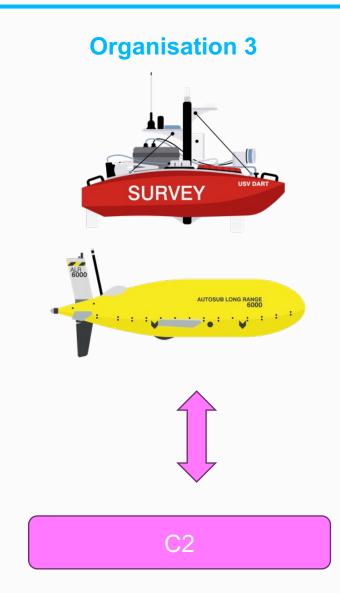


VENDOR LOCK-IN BECOMES C2 LOCK-IN



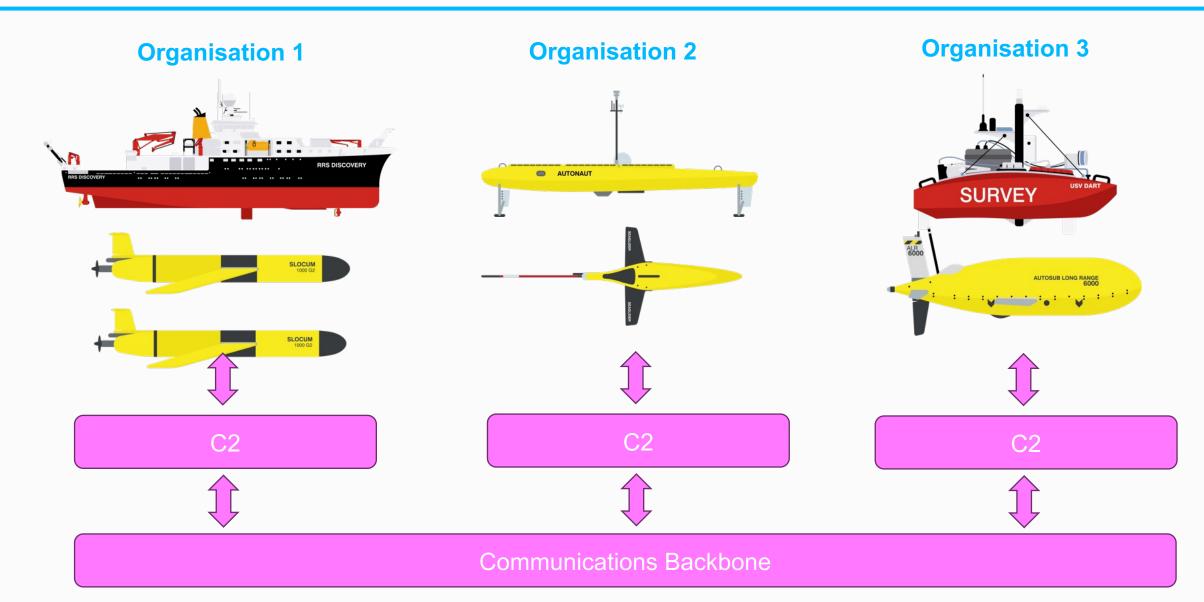






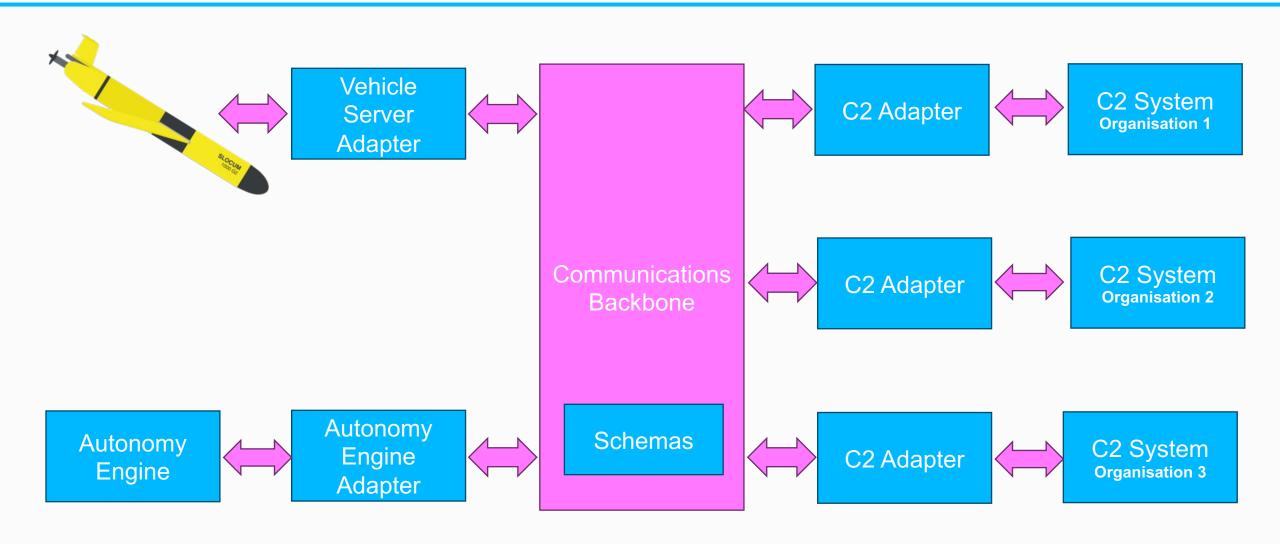
SOLUTION TO C2 LOCK-IN





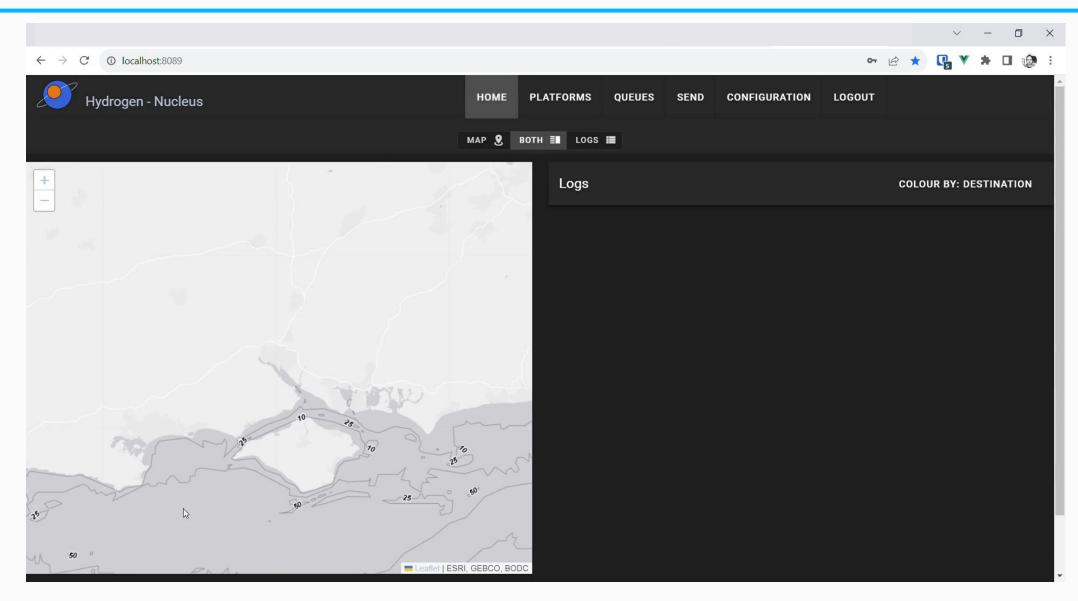
SYSTEM OVERVIEW





LET'S SEE IT IN ACTION





LET'S GO DEEPER

```
JS sample adapter.js
import { GenericProtocol } from '~/modules/comms-adapter/protocol';
export class ExampleClientProtocol extends GenericProtocol {
 constructor(schema, services) {
   super(schema, services);
  decode(type, message) {
   switch (type) {
     case 'VehicleStatus':
       this.decodeVehicleStatus(message);
      case 'VehicleMission':
       this.decodeVehicleMission(message);
   return message;
  // Transform local data into a message conforming to the protocol schema
  encode(type, message) {
   switch (type) {
     case 'MissionPlan':
       this.encodeMissionPlan(message);
      case 'Action':
       this.encodeMissionAction(message);
   return message;
```

```
platform status schema.py
platform_status_schema = {
    "type": "object".
    "properties": {
        "message_type": {
            "type": "string",
            "description": "Type of message",
            "example": "platform_status",
            "enum": ["platform_status"].
        "platform_ID": {
            "type": "string",
            "description": "Unique identifier for this platform",
            "example": "reav-x-1",
        "latitude": {
            "type": "number".
            "format": "float",
            "description": "Latitude (Y-coordinate) in decimal degrees.",
            "example": 178.2.
        "longitude": {
            "type": "number",
            "format": "float".
            "description": "Longitude (X-coordinate) in decimal degrees.",
            "example": -10.122.
        "depth": {
            "type": "number",
            "format": "float".
            "description": "Target depth in metres",
            "example": 50.0,
            "default": 0.0,
        "altitude": {
            "type": "number".
            "format": "float",
            "description": "Target altitude in metres",
            "example": 20.0,
```



ONGOING WORK - COMING SOON™



