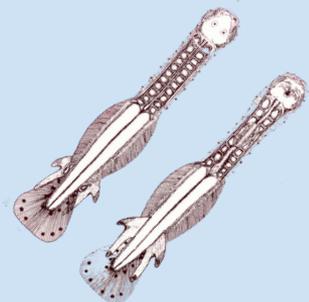


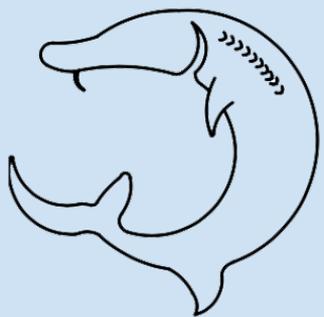
ACUARIO DE

ESPECIES GALLEGAS

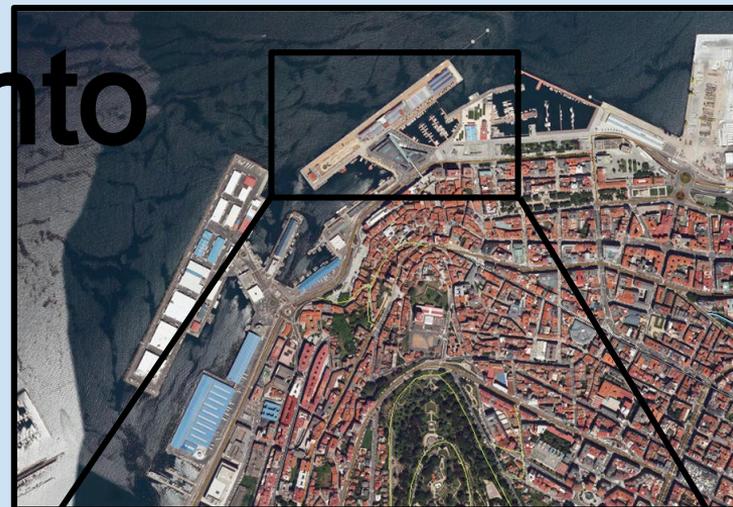


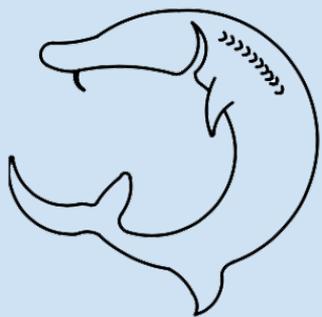
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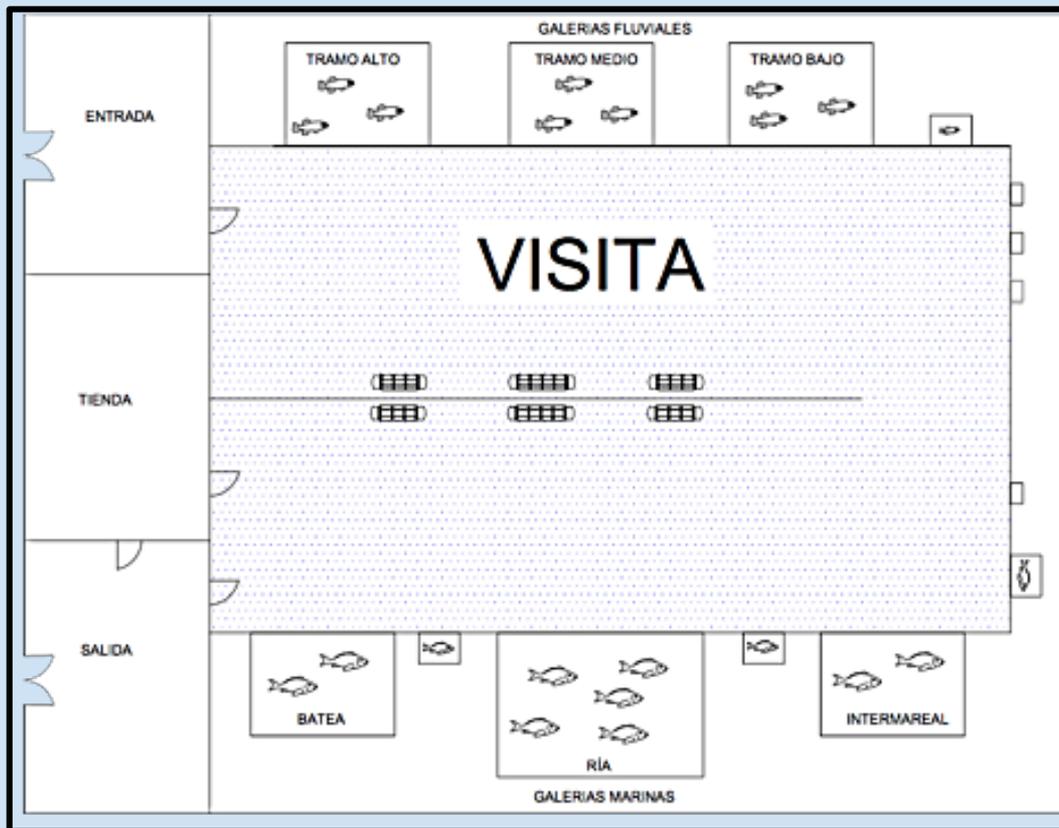


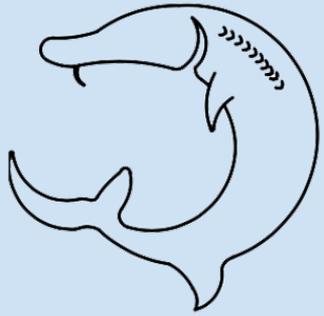
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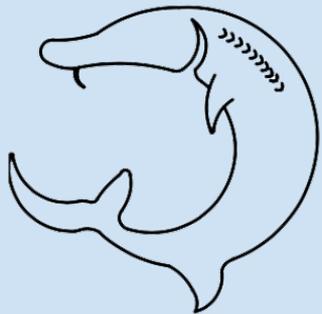


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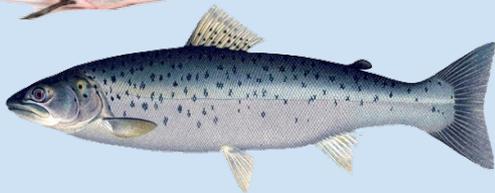




**ecosistemas flu**



TRAMO ALTO

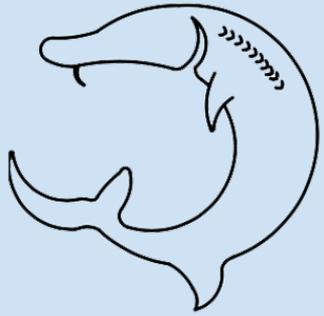


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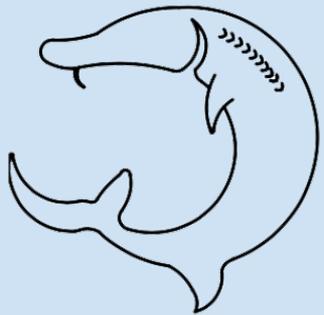


TRAMO





**ecosistemas ma**



intermareal

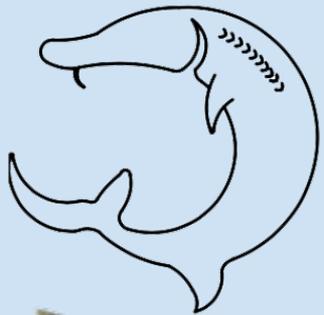


ría



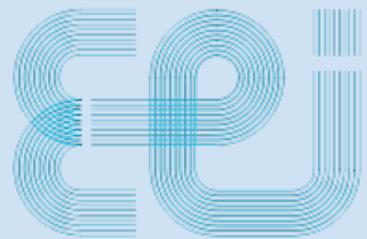
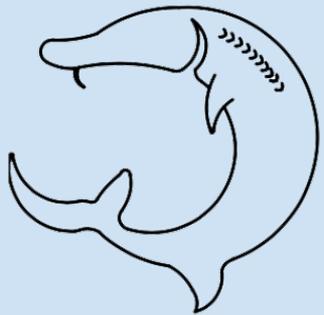
Batea



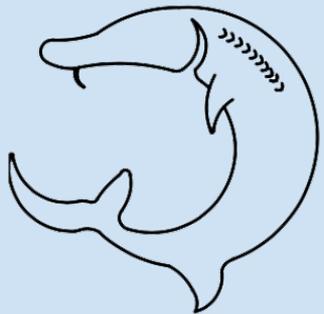


# Conservación y cría de ~~esturión~~ ~~esturión~~





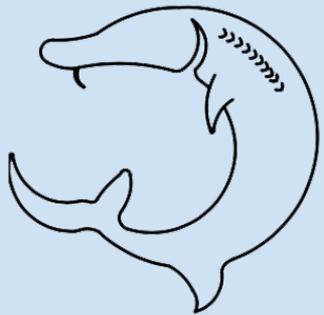
# Control Automatizació



# OBJETIVO

- IMPACTO CERO
- AUTOSUFICIENTE
- HÁBITAT IDEAL
- INVESTIGACIÓN Y D

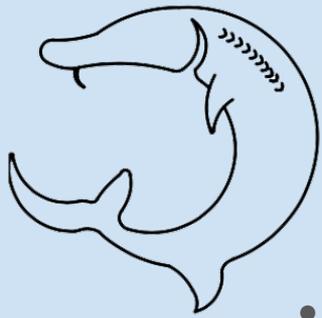




# Energías renovables

ENERGÍA SOLAR  
ENERGÍA HIDRÁULICA  
ENERGÍA EÓLICA

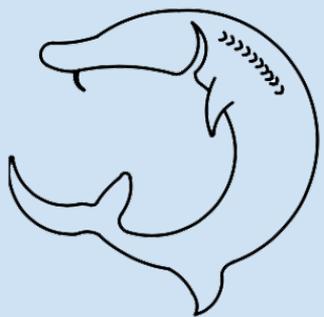




# Variables a controlar

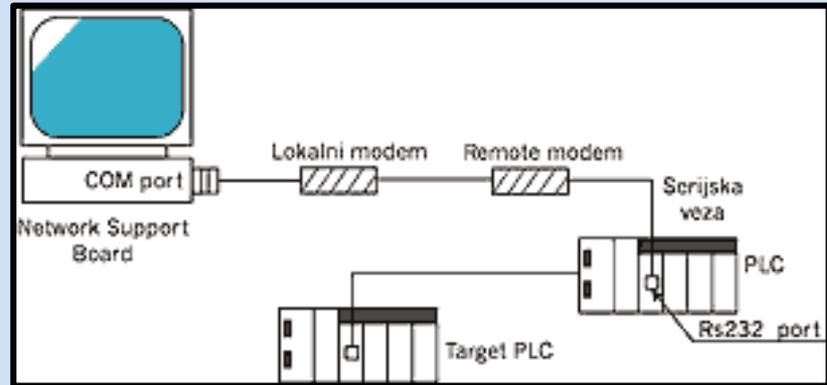
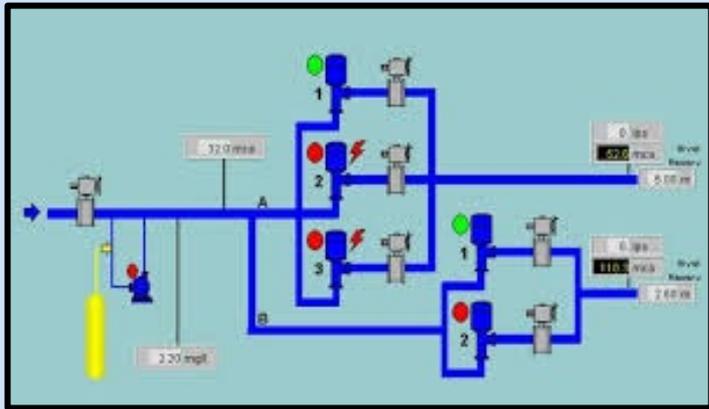
- **Temperatura**
- **Ph**
- **Salinidad**
- **Oxígeno disuelto**
- **Caudal**
- **Tiempo**
- **Nivel**
- **Concentración contaminantes**

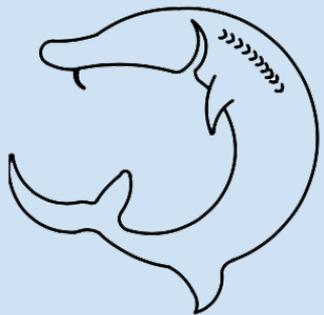




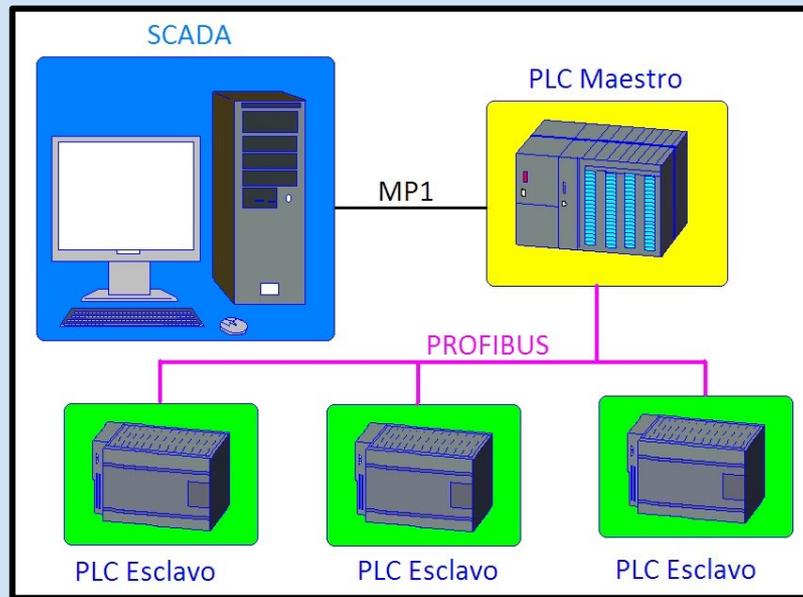
# ¿CÓMO CONTROLAMO VARIABLES?

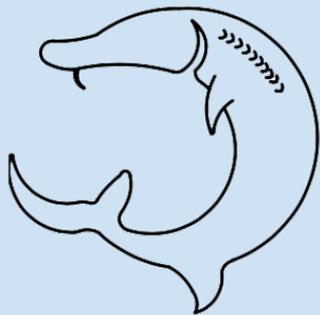
MEDIANTE UN SCADA COMANDADO POR UN A



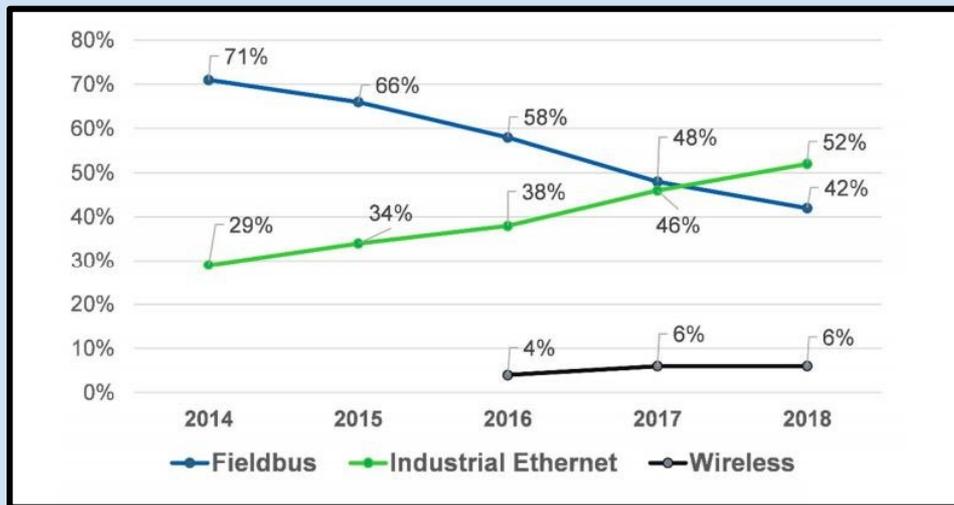
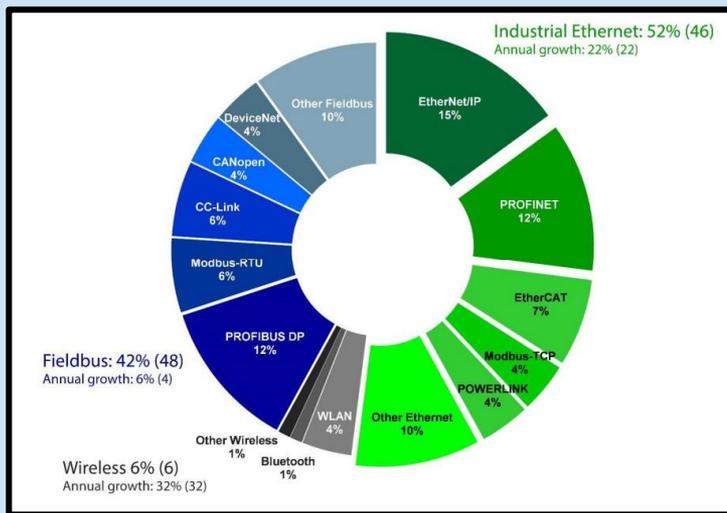


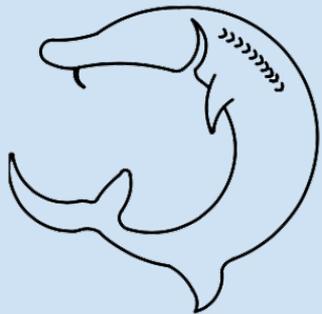
# AUTÓMATAS



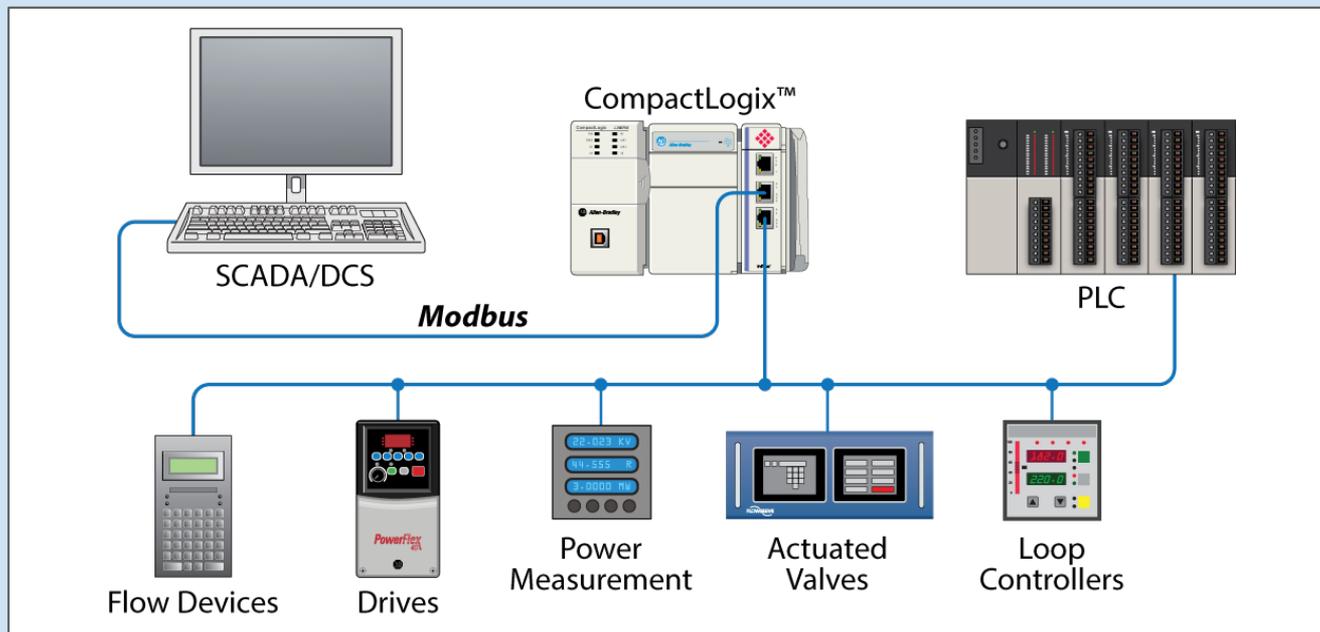


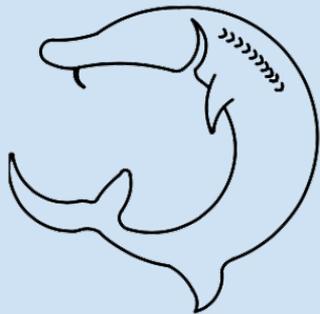
# COMUNICACIÓN





# ModBus TCP

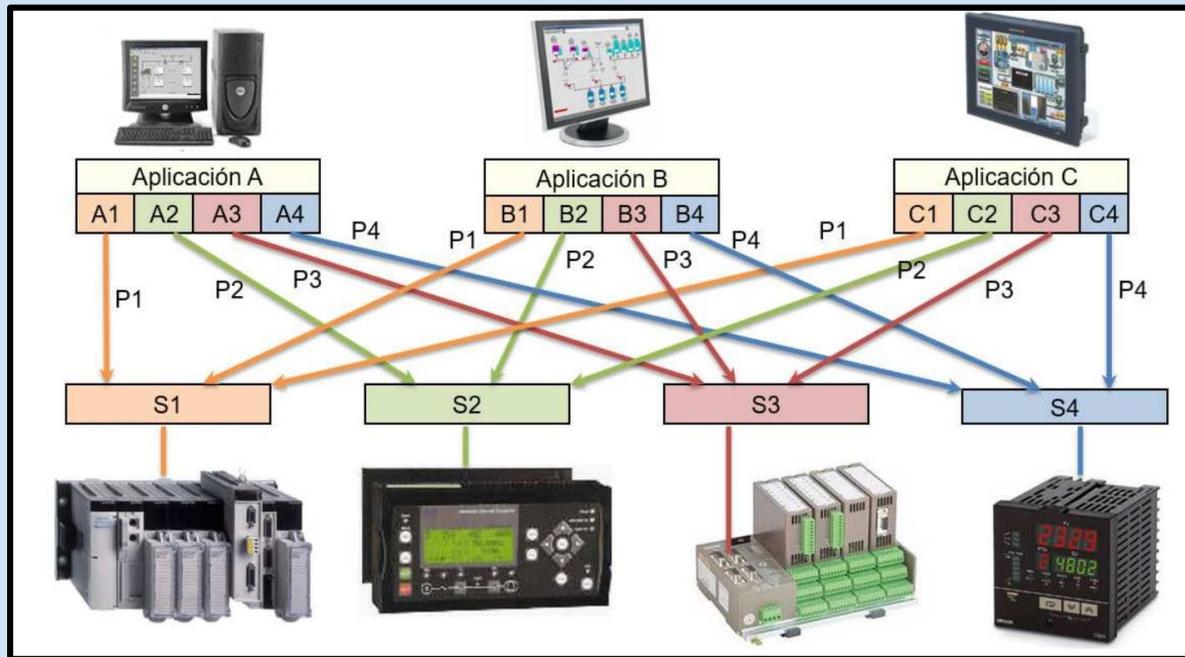


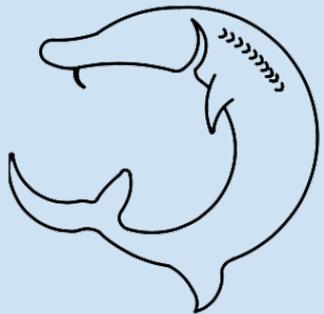


# OPC



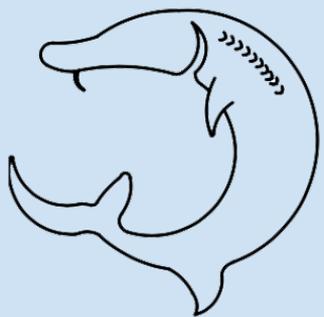
# KEP Server EX





# Base de datos





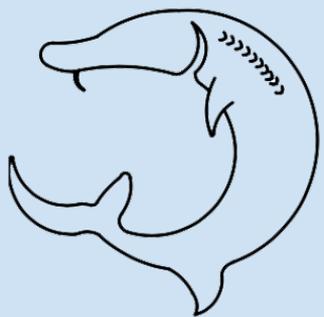
# SENSORES Y ACTUADORES

## • SENSORES

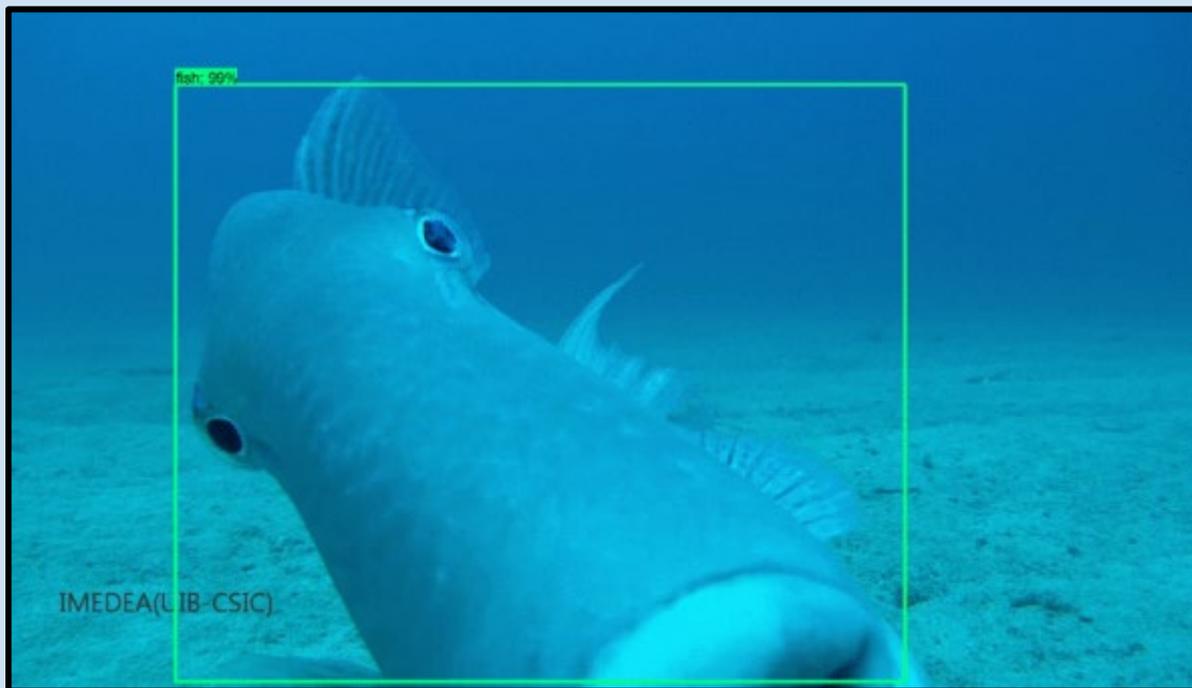


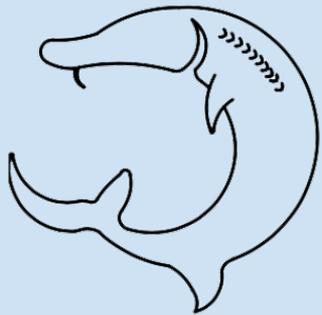
## • ACTUADORES



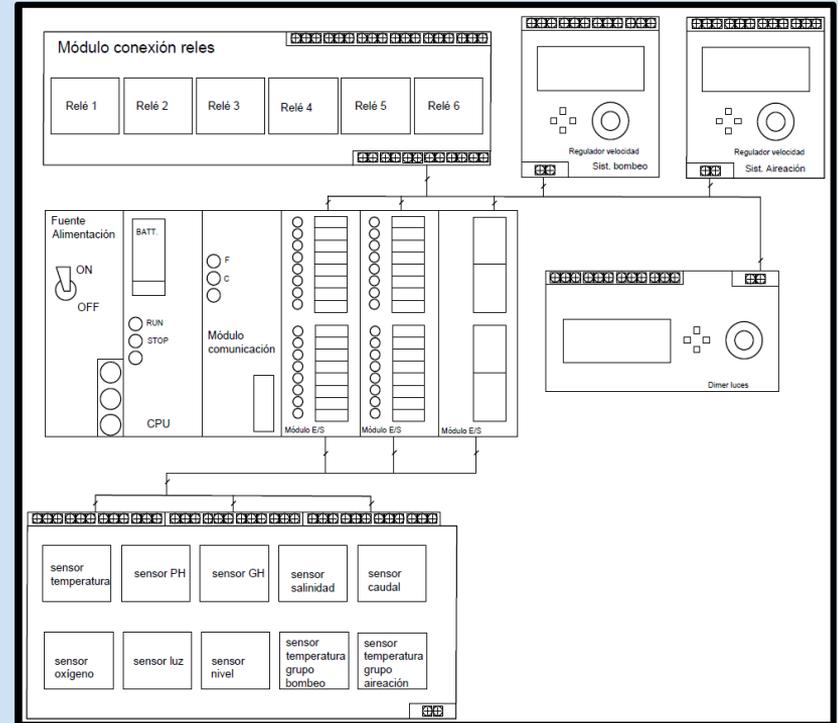
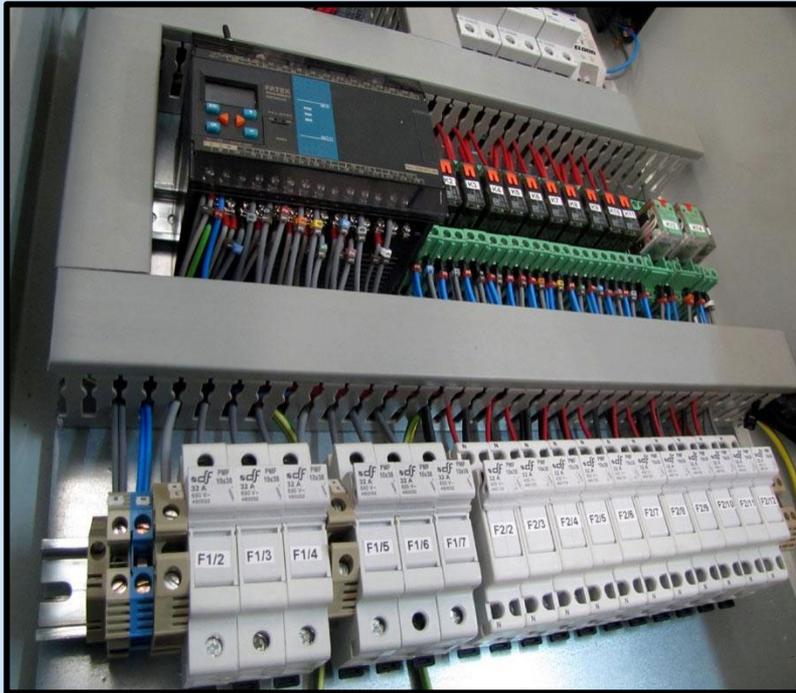


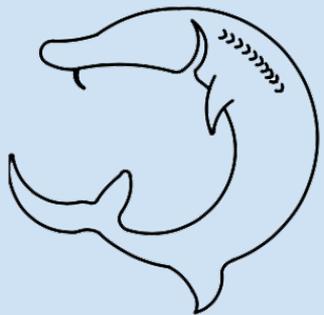
# INTELIGENCIA ARTIFICIAL



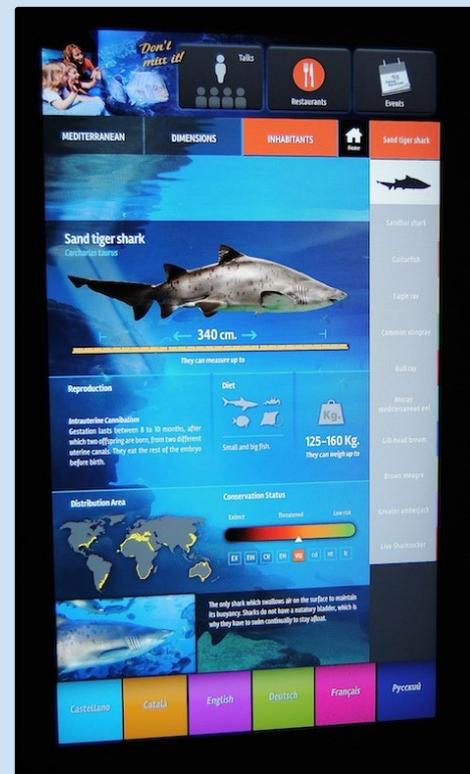


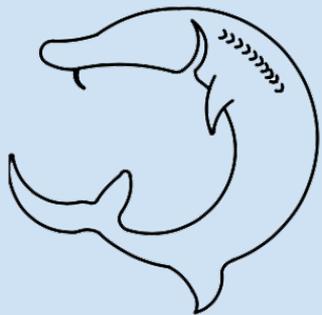
# Esquema eléctrico





# CONCIENCIACIÓN Y DI

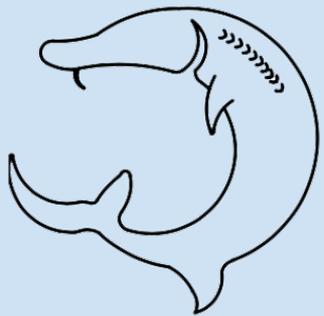




# Plan de comunicación



 Asetrad |



**¡GRACIAS POR VUESTRA  
ATENCIÓN!**

