

Ejemplos de Sistemas Mecatrónicos implementados en Perú

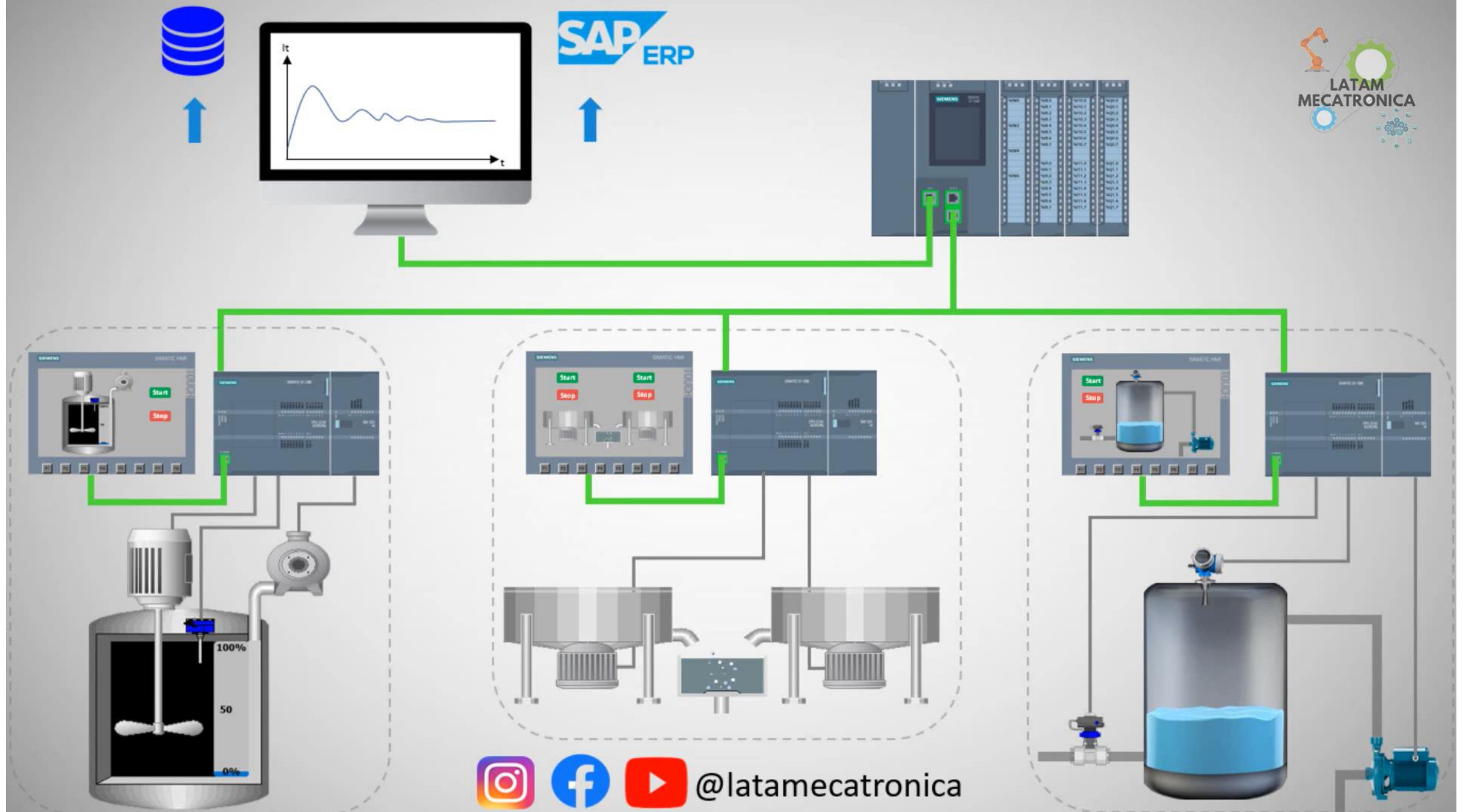
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Competencias ABET:

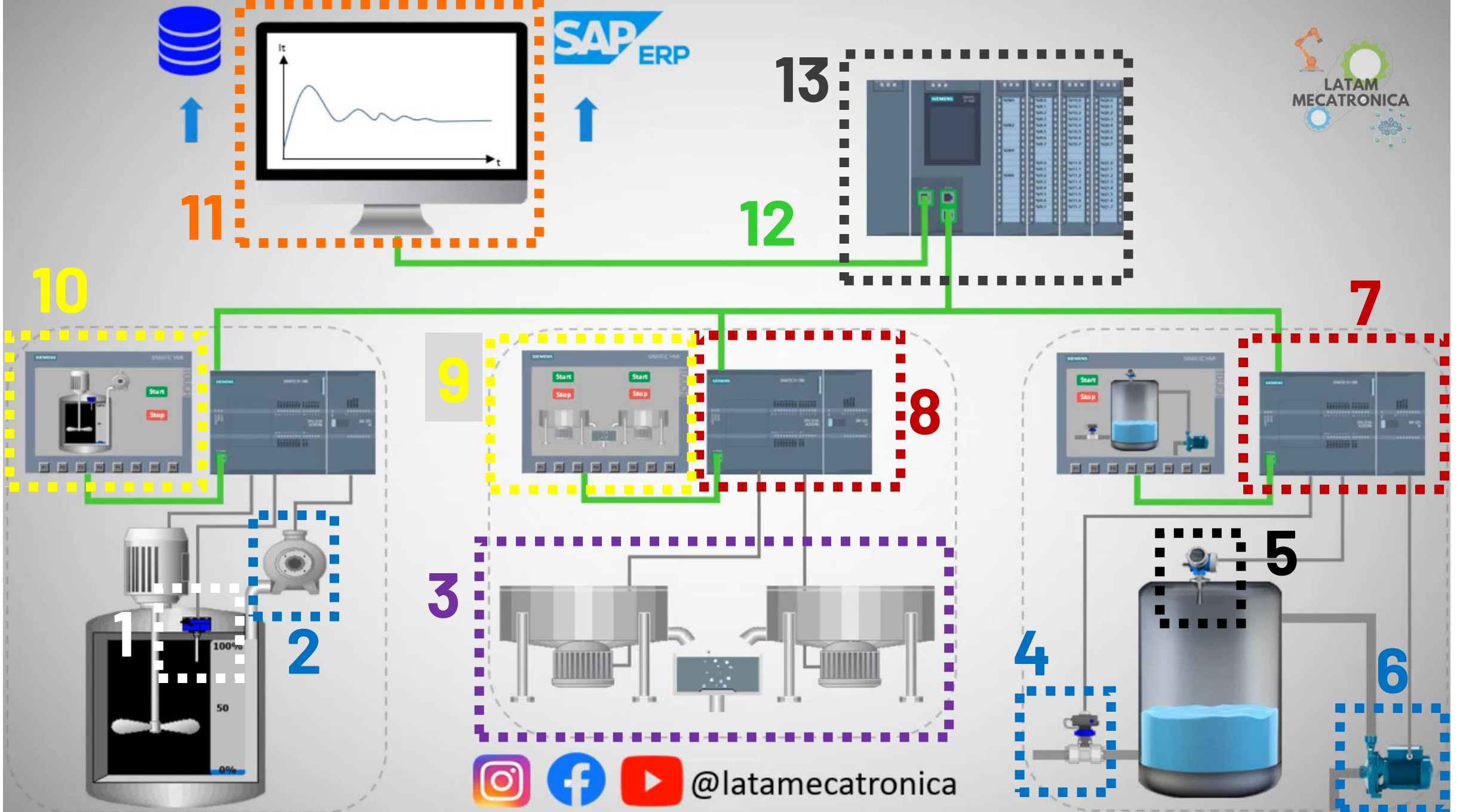
(j) Un conocimiento de temas contemporáneos.

¿Qué es un Sistema mecatrónico?





Cual es la diferencia entre SCADA y HMI? - Fuente: <https://www.youtube.com/watch?v=BNwm0GLt9jc>





Hecho en Perú: Gloria. Fuente: Discovery en español. [En línea] <https://www.facebook.com/watch/?v=657479424771676>



Modasa. Fuente: <https://www.youtube.com/watch?v=K16UbLRXpaM>



Fuente: Semana Económica - https://www.youtube.com/watch?v=tBqGtyTg_Fo



Fuente: Semana Económica <https://www.youtube.com/watch?v=0brA45907pE>

The diagram illustrates a mechatronic system architecture for a water treatment plant, featuring 13 numbered components and their interconnections:

- 11**: A database icon (blue cylinder) connected to the SAP ERP system.
- 13**: The **SAP ERP** system, represented by a server rack.
- 12**: A control unit (PLC) connected to the SAP ERP system.
- 10**: A control panel (HMI) connected to the control unit.
- 9**: A control panel (HMI) connected to the control unit.
- 8**: A control panel (HMI) connected to the control unit.
- 7**: A control panel (HMI) connected to the control unit.
- 3**: A set of three large industrial tanks connected to the control unit.
- 5**: A large storage tank connected to the control unit.
- 1**: A motorized pump connected to the storage tank.
- 2**: A smaller pump connected to the storage tank.
- 4**: A pump connected to the storage tank.
- 6**: A pump connected to the storage tank.

The components are interconnected via a network, with green lines indicating data flow and blue lines indicating control signals. The system is designed to manage the water treatment process, including monitoring and controlling the pumps and tanks.

(1 punto) Identifique los dispositivos mostrados en la figura:

De cada vídeo, escoja al menos 2 dispositivos mecatrónicos que formen parte de la cadena de producción (4 en total) e indicar:

o Tomar capturas de pantalla de la escena del vídeo donde se muestren dichos dispositivos