

PRELIMINARY AUTOMATION BLOCK DIAGRAM FOR TRANSFER LINE

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[[FOR APPROVAL]]

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بارسکو
 شرکت بازرگانی

Project Name	Family code/Package code	Model (kg)	1 (cm ³)
Golgohar Steel Project			

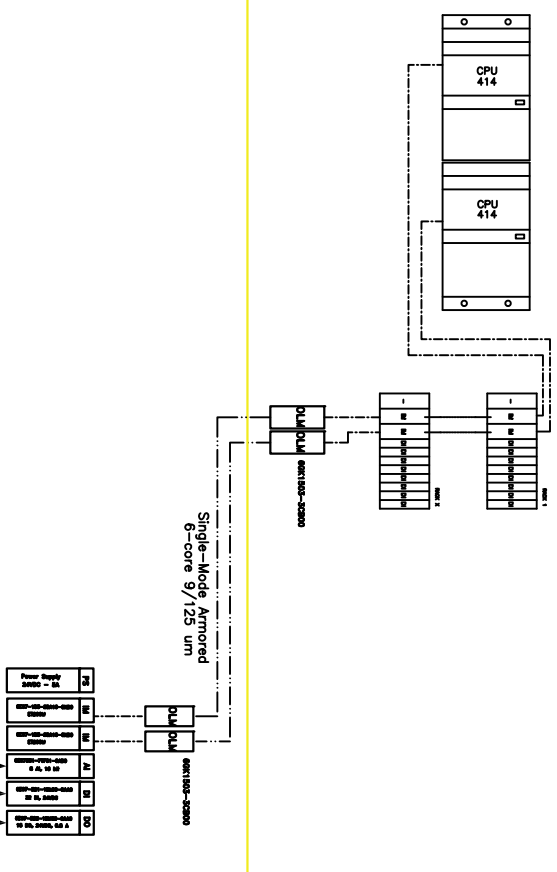
PRELIMINARY AUTOMATION BLOCK DIAGRAM FOR TRANSFER LINE

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		No. of sheets
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The diagram illustrates a control system architecture divided into two main sections: MCC ROOM and FIELD, separated by a vertical yellow line.

- MCC ROOM:** Contains a central **MCC** (Motor Control Center) unit.
- FIELD:** Contains several components:
 - Two **LCS** (Local Control Stations) units, labeled **PU-06A** and **PU-06B**.
 - A group of **ON/OFF VALVES**.
 - An **IPS** (Interlocking Protection System) unit.
 - A **PUMP** unit.
 - A **UT** (Utility Transformer) unit.

Connections:

- Power Supply (Solid Lines):**
 - The MCC is connected to the field bus.
 - The field bus provides power to the LCS units (PU-06A and PU-06B).
 - The field bus also provides power to the ON/OFF VALVES, IPS, and PUMP.
 - The UT is connected to the field bus.
- Control Signals (Dashed Lines):**
 - The MCC sends control signals to the field bus.
 - The field bus sends control signals to the LCS units (PU-06A and PU-06B).
 - The field bus also sends control signals to the ON/OFF VALVES, IPS, and PUMP.
 - The UT sends control signals to the field bus.

 FIBER OPTIC CABLE
 PROFIBUS-DP CABLE
 INDUSTRIAL ETHERNET CABLE
 HARD WIRE

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