

DIPARTIMENTO DI INGEGNERIA

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DIPARTIMENTO DI INGEGNERIA

Committente

AISA IMPIANTI SpA

Strada vicinale dei Mori, loc. San Zeno

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Progetto

Procedura aperta per l'affidamento dell'appalto per la progettazione esecutiva e la realizzazione del sistema di trattamento rifiuti con produzione di vapore della linea di recupero energetico L75 dell'impianto di San Zeno, Arezzo

Tavola

P&ID Sistema fumi/vapore caldaia

Data

Giugno 2023

Formato

A0

Scala

7

The diagram is a detailed Process and Instrumentation Diagram (P&ID) for a waste treatment system. It illustrates the flow of smoke and steam through various components, including combustion regulation units, heat exchangers, pumps, and storage tanks. Key elements include:

- Combustion Regulation:** Units for regulating combustion, such as **REGOLAZIONE COMBUSTIONE**, are shown with associated sensors and control loops.
- Heat Exchangers:** Various heat exchangers are depicted, including **BRUC. AUX SX**, **BRUC. AUX DX**, and **ECO 2**, **ECO 3**, **ECO 1A**, and **ECO 1B**.
- Pumps and Motors:** Numerous pumps (e.g., **2AFVC_010_FY**, **2AFVC_020_FY**) and motors (e.g., **2AXVC_010_XY**, **2AXVC_020_XY**) are shown, along with their respective control systems.
- Storage and Distribution:** Tanks and distribution systems for **METANO** and **GASOLIO** are included.
- Flow and Control:** The diagram uses standard P&ID symbols for flow lines, valves, sensors (PI, TI, FE, etc.), and control loops (FV, FIC, etc.).
- Notes and Annotations:** Several notes (e.g., **NOTA 1**, **NOTA 2**) provide additional information about specific components or sections of the system.

The diagram is organized into several main sections, including **ARIA SECONDARIA**, **ARIA PRIMARIA**, and **REGOLAZIONE COMBUSTIONE**. It also shows connections to external systems like **DA ECO 1A**, **DA ECO 2**, and **DA ECO 3**.