

Technical Data

Product Description

Engineered Systems by VMS provide a turnkey approach to the successful design and installation of large-scale, highly complex, and exceptionally critical insulation systems. Millions of square feet have been installed and are proving their effectiveness in power plants across the country on all types of high temperature systems, scrubbers, SCR units, and other critical components of the power generation and environmental protection processes.

Every VMS Engineered System is custom designed for the specific project and includes not only a comprehensive package of necessary materials, but a complete set of detailed erection drawings, engineering, and expert field support. Monumental projects are broken down into manageable, well organized, and clearly identifiable components, defined and detailed by the VMS drawings, and delivered in the sequence and timing required to meet the projects' needs.

Engineered Systems	Description
Pre-Insulated Panel Systems	Primarily designed for lower temperature range projects such as FGD units in which moderate thicknesses of insulation can be pre-attached to metal lagging and quickly erected in the field. A variety of insulation products and metal siding materials may be combined to meet a wide range of project requirements.
H-Bar Systems	Designed to address a wide variety of temperatures and other design considerations, such as high wind-loading, extreme thermal expansion and contraction, and the need to create continuous "single-plane" insulation envelopes wherever possible. H-Bar Systems also offer cost-efficient and secure methods for the attachment of both insulation and lagging.
Hybrid Panel & H-Bar Systems	Typically employed in high-temperature applications where the total insulation thickness requirements can best be achieved by "sharing" the demand between two support and attachment environments. Hybrid systems allow for the labor-saving employment of preinsulated panels in applications above the temperature ranges for which panels alone would be recommended.
Misc. Subgirt & Lagging Systems	Designed for the support and attachment of lagging materials over conventionally applied insulations (impaled upon pins welded to the "skin" or J-hooked over welded wire mesh or expanded metal). A wide variety of subgirt materials may be employed, including various types and sizes of channel and angle. Often used in combination with other engineered systems.

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