

GRAND AWARD WINNER



Firm: Applied Engineering Services

Project Name: Knauf Insulation, Plant 1 Expansion

Owner: Knauf Insulation

The Applied team was selected by Knauf Insulation to perform the design work for a major expansion of their manufacturing operations in Shelbyville, Indiana. The new plant produces commercial and industrial insulations for the U.S. market. The project included the construction of a product warehouse, a new utility building and chemical compounding plant, a 42 MW substation, a furnace charge batching silo, upgraded rail yard, two electric-fired cold top glass furnaces, three production lines with fiberization, forming and drying ovens, a wet electrostatic precipitator, regenerative thermal oxidizers, wash water recycle systems and new packaging lines. Applied was also responsible for overall site planning and development, including access roads, parking lots, utility relocation/ improvements, fire protection, and landscaping. Final construction was completed in the fall of 2007. The total cost of the project was approximately \$240 million.