NEWARK ENERGY CENTER
Natural Gas Power Plant
High-Temperature Systems Insulation

PROJECT SUMMARY
The construction of the Newark Energy Center gas-fired power plant in Newark, New Jersey called for the latest GE gas turbine technology to supply electricity to more than 700,000 homes. This project had an aggressive construction schedule and several specific insulation requirements for the pipe and vessel application. The insulation had to provide high-compressive strength, optimize corrosion defense, be readily available and cost-effective.

As one of the only insulations available that meets all four criteria, Thermo-12® Gold became the primary product of choice. Thermo-12 Gold not only has exceptional compressive strength, but it inhibits CUI with the proprietary XOX™ chemical package and can handle high impact, high temperatures and high humidity with ease.

PROBLEM
Durable high-temperature insulation required for new natural gas power plant.

SOLUTION
Thermo-12 Gold calcium silicate with XOX Corrosion Inhibitor

APPLICATION
High-temperature systems for 655 MW combined-cycle gas turbine power plant.

PRODUCT
Thermo-12 Gold calcium silicate

LOCATION
Newark, New Jersey

OWNER
Hess Corporation / Energy Investor Funds

ENGINEER
SNC-Lavalan

CONTRACTOR
Atlantic Plant Services

DISTRIBUTOR
Insulation Materials Corp.

THERMO-12 GOLD:
WHY IT WAS SELECTED:
• Exceptional Strength and Durability
• Low Thermal Conductivity
• XOX™ Formulation Inhibits Corrosion
• Ideal for High-Abuse Environments

Industrial Insulation Group, LLC
Please visit our website at www.jm.com/industrial

CUSTOMER SERVICE, TECHNICAL & GENERAL INFORMATION
(800) 866-3234