



**Praxair Surface Technologies  
EBPVD Coater 4 Building  
Indianapolis, Indiana**

Praxair Surface Technologies applies industrial coatings to many different engine components. Prior to the addition of this facility, Praxair had three EBPVD coaters, two in the Indianapolis facility and one in Singapore. The Electron Beam Pulverized Vapor Deposition (EBPVD) process converts solid ceramic material to a vapor which when cooled on the engine parts provides a coating which resists the extremely high temperatures generated in modern jet engines.

Fink Roberts & Petrie, Inc. provided both structural and civil design services for this building which houses Praxair's fourth EBPVD Coater. This 23,700 square foot building is a two story steel frame addition to the existing 118,100 square foot facility and is designed to accommodate the expansion for a future Coater 5 building. The structural design includes a bridge crane and the addition of a second floor in a portion of the existing building.