

Suvarnabhumi Airport Bangkok (TH)

Building owner:

NBIA New Bangkok International Airport Co. Ltd., Bangkok (TH)

Completion / Occupation: 2005

Building area: 375.000 m²

Architect:

Murphy/Jahn, Chicago (USA)

Structural engineers:

Werner Sobek Ingenieure, Stuttgart

Building services:

Flack und Kurtz Consulting Engineers, San Francisco (USA)

Acoustics:

Laboratorium für Optik und Dynamik, Dr. Blum, Leonberg

Climate Engineering:

Transsolar Energietechnik GmbH

Project manager: Stefan Holst

Brief:

The new international airport in Bangkok will be one of the biggest airports in the world because of its 400000 square metre surface area. A hanging roof which is made out of fins protects the completely glazed terminal building from the sun and the rain. The total length of the system of departure gates which are covered with diaphragms is 3.5 kilometres. The problem was to create a correspond concept regarding climate and airing. An extra challenge was sound insulation, natural lightning and thermal comfort.

