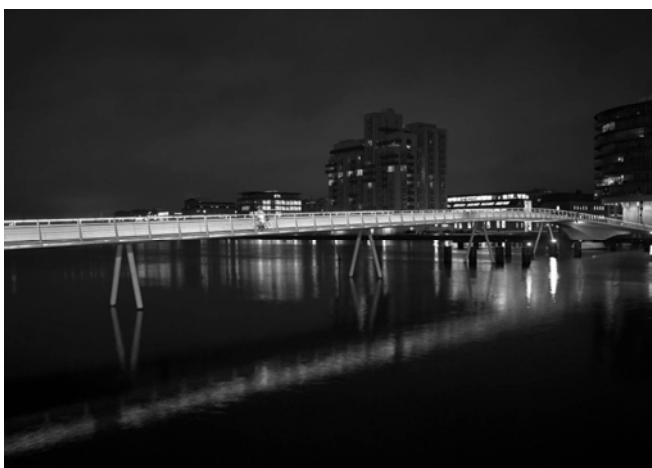


The Brygge Bridge – Copenhagen, Denmark



Type: Cycle bridge

Location: Copenhagen, Denmark

Completion Date: August 2006

Architecture: Dissing and Weitling

Engineering: Grontmij | CarlBro

General Contractor: E. Pihl & Søn A/S

Steel Fabricator: VSB Industri A/S

- Two navigation spans: a fixed span, 21 m (width) x 5.45 m (vertical clearance) for small vessels and city's water busses); a swing span which can provide a horizontal navigation clearance of 35 m for large vessels
- Designed as an efficient light weight steel structure
- Trapezoidal shaped central spine from which decks are supported by ribs of folded steel plates cantilevered as wings
- The structural system provides sufficient vertical navigation clearance and access for disabled persons
- At the pivot pier, the depth of the central spine is increased for structural strength in the free cantilevers when the span operates
- The swing span is resting on a single bearing, placed on the top of a concrete pier standing directly on a pile-cap

