



# Basic Concepts

- Production system
- Building production System
- Building construction system
- Project Procurement System and its components
  - Organizational patterns in PPS
  - Payment patterns in PPS
  - Type of Process in PPS

# Basic Concepts

- **Production system:**

The pattern that is formed by the structure, participants, relationships and the inputs of the *production process*.

- **Building production system:**

The pattern that is formed by the structure, participants, relationships and the inputs of the *building production process*.

# What is the difference between...?

- **Building Construction Systems**

Technologies that are used for the production of buildings in construction stage.

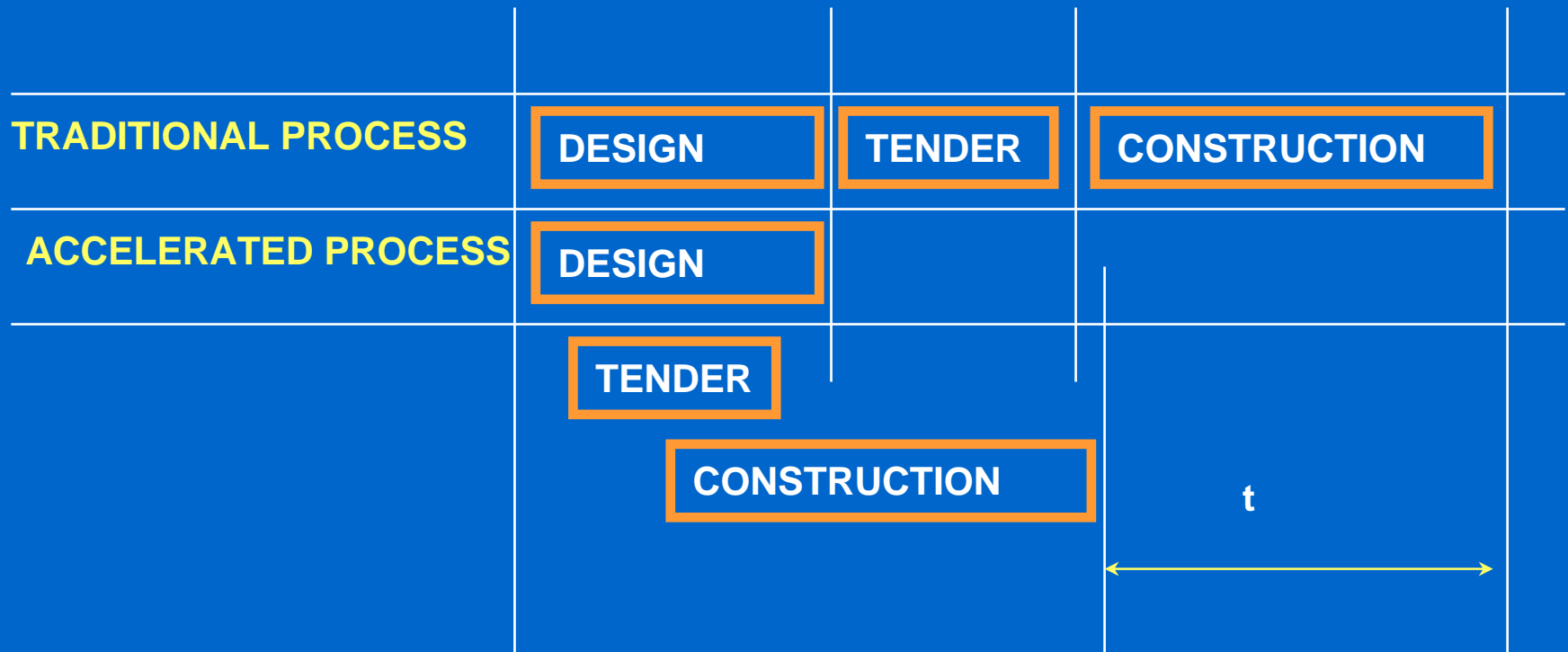
- **Building Production Systems**

Patterns that are applied to building production in all stages of Building Production Process.

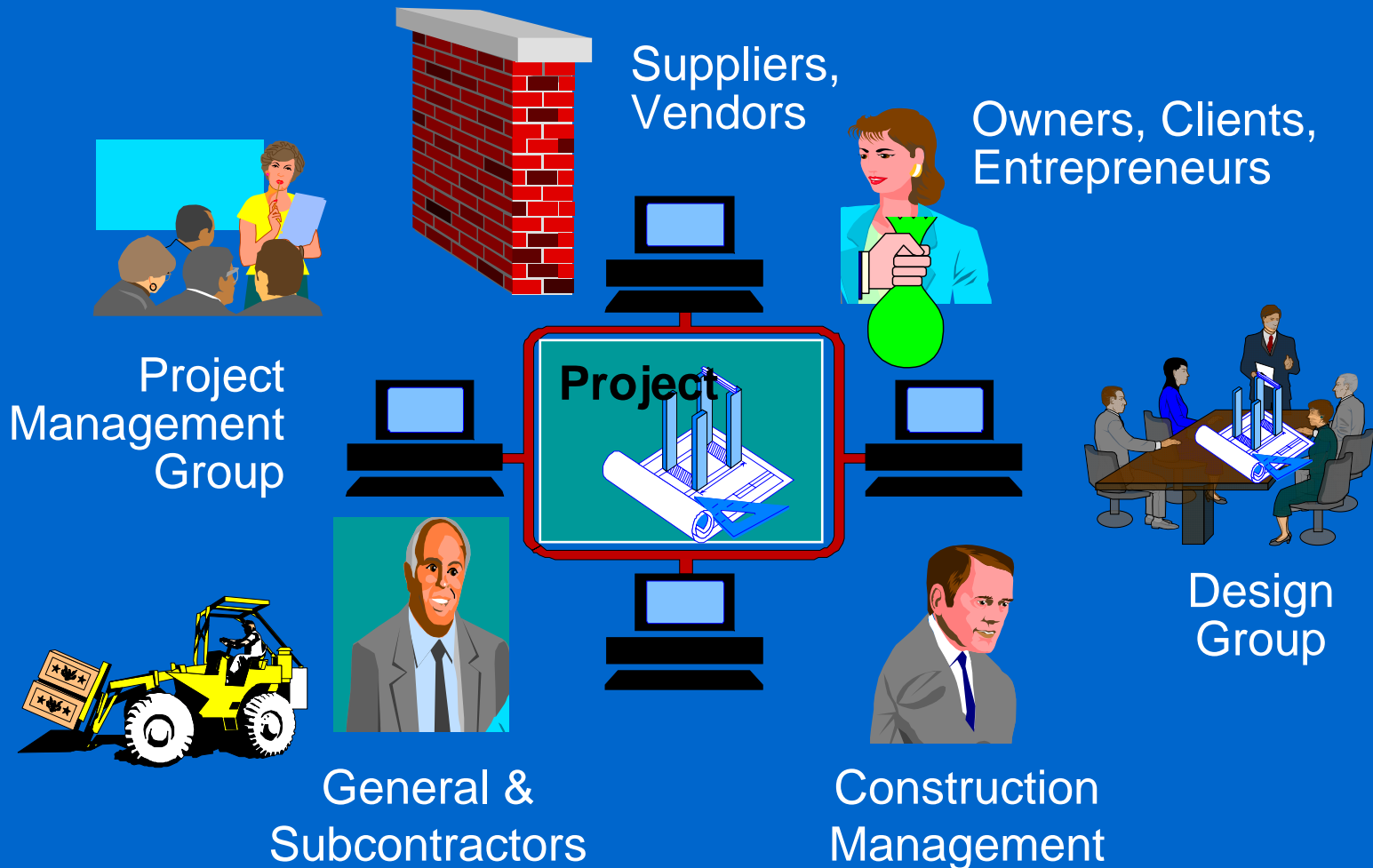
# Building Production Systems (BPS)

- **Building Production Process (BPP).**  
(pre-design, design, bidding, tendering, contracting, construction, maintenance, demolishing).
- **Structural alternatives of the BPP.**  
(accelerated/fast-track or traditional process).
- **Participants in BPP; their roles and relationships, organizational patterns.**

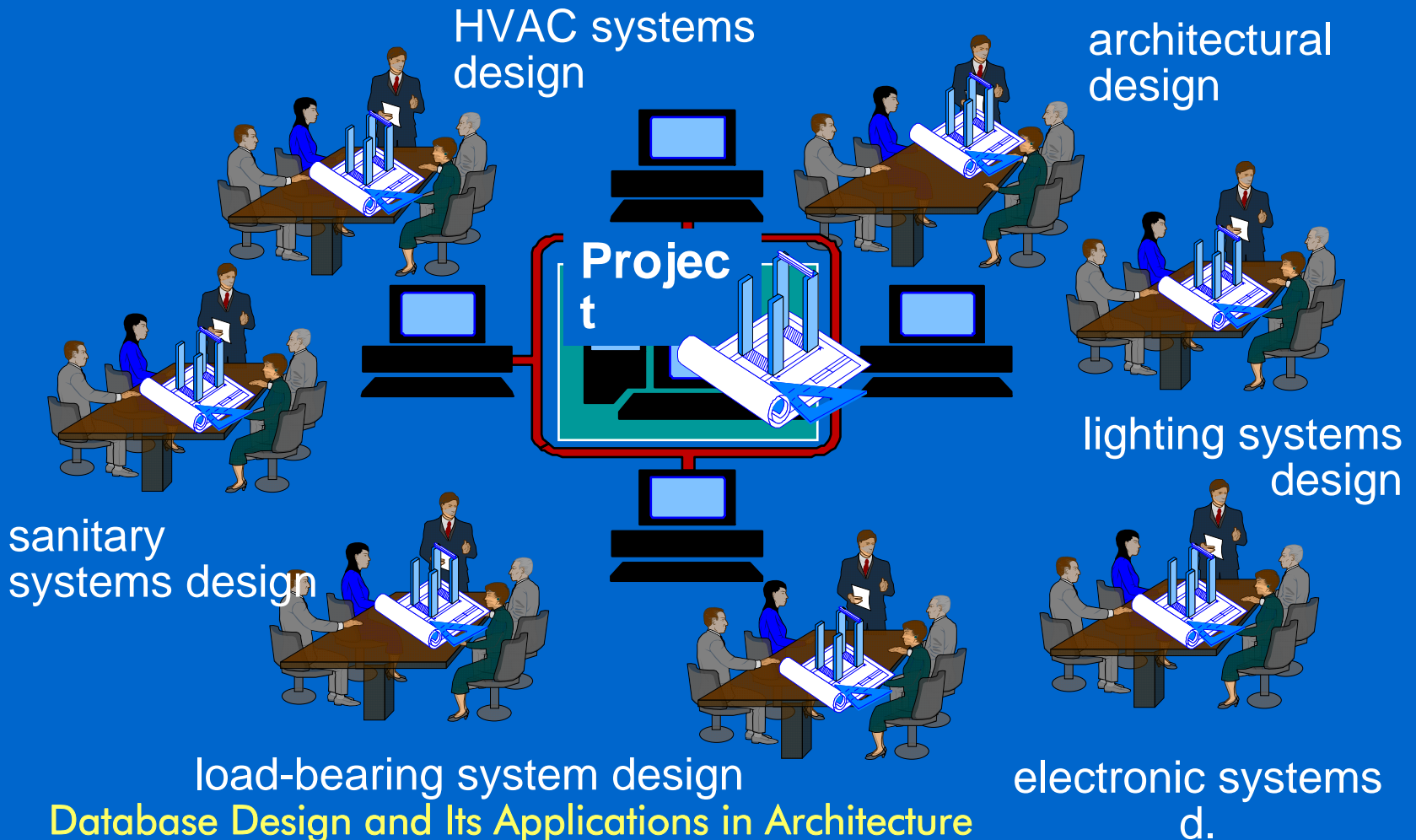
# Structural Alternatives of BP Process



# The participants & roles



# Participants of design stage...



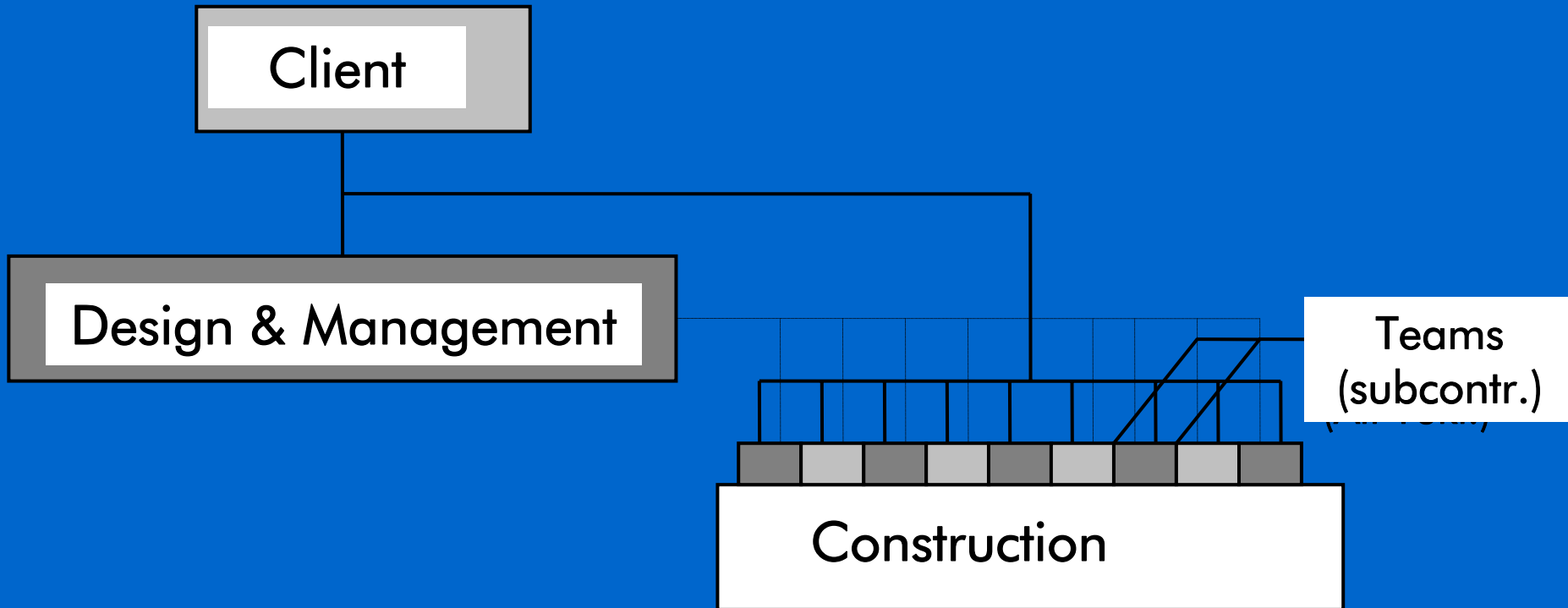


# Participants & Roles (Design-Build)

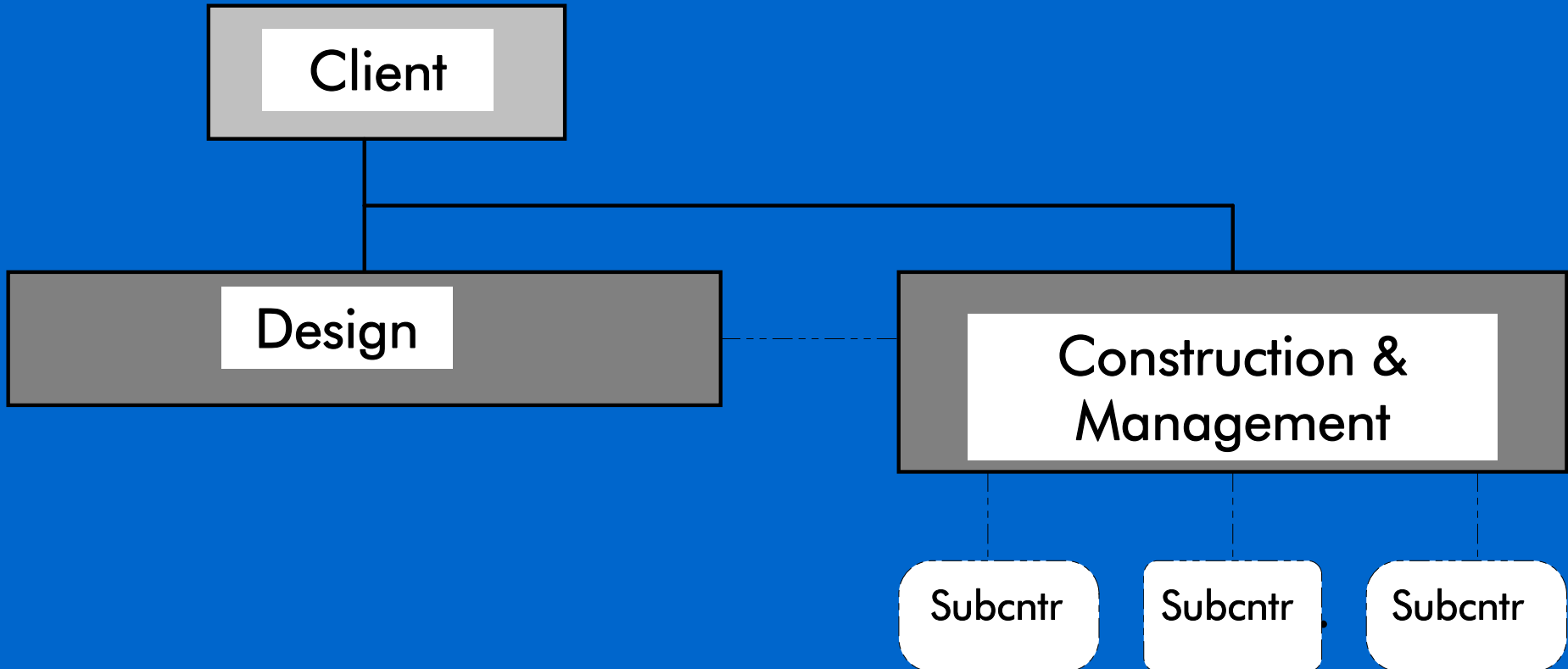


BENNETT, John, *International Construction Project Management - Theory and Practice*, Oxford: Butterworth-Heinemann), 1991

# Participants & Roles (Separate Trades)



# Participants & Roles (General Contractor)



# Participants & Roles (Constr.Management)

