

# Project Systems Engineering Introduction; Phasing, Process, Organization

by *Gerrit Muller* Buskerud University College

e-mail: `gerrit.muller@embeddedsystems.nl`

`www.gaudisite.nl`

## Abstract

The fundamental concepts and approach to project oriented Systems Engineering are explained. We look at project phasing, phase transition, processes, and organization.

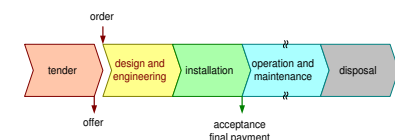
### Distribution

This article or presentation is written as part of the Gaudí project. The Gaudí project philosophy is to improve by obtaining frequent feedback. Frequent feedback is pursued by an open creation process. This document is published as intermediate or nearly mature version to get feedback. Further distribution is allowed as long as the document remains complete and unchanged.

June 20, 2011

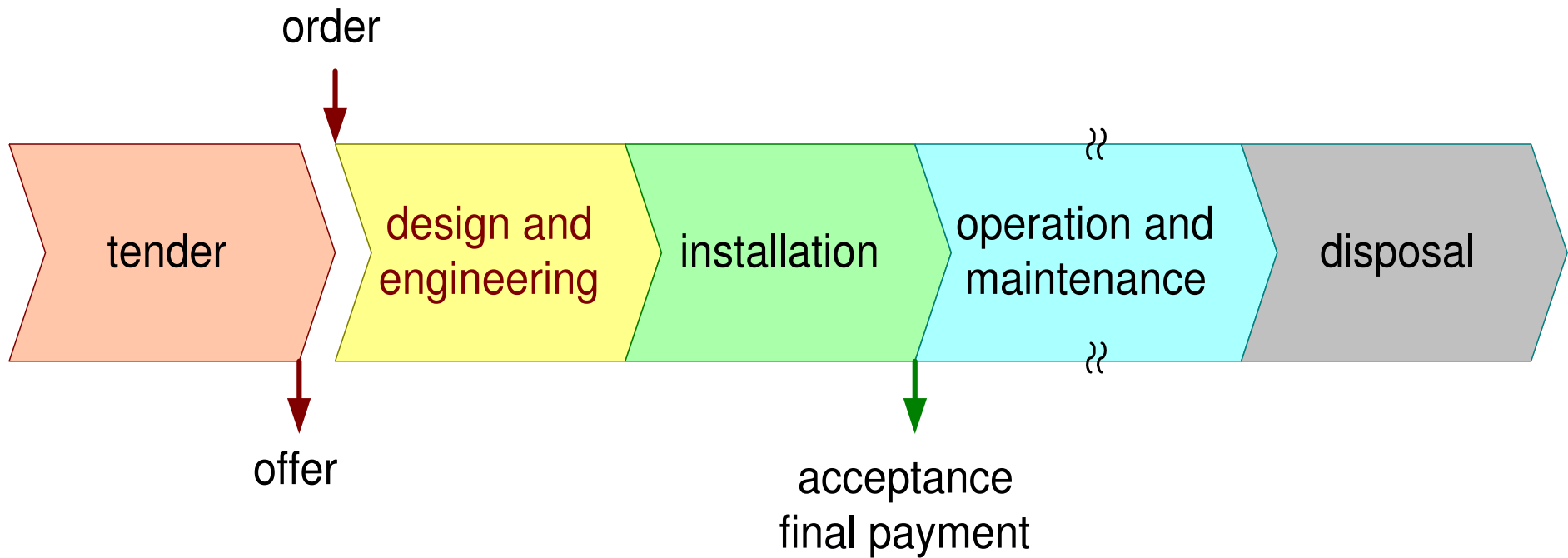
status: preliminary  
draft

version: 0.1

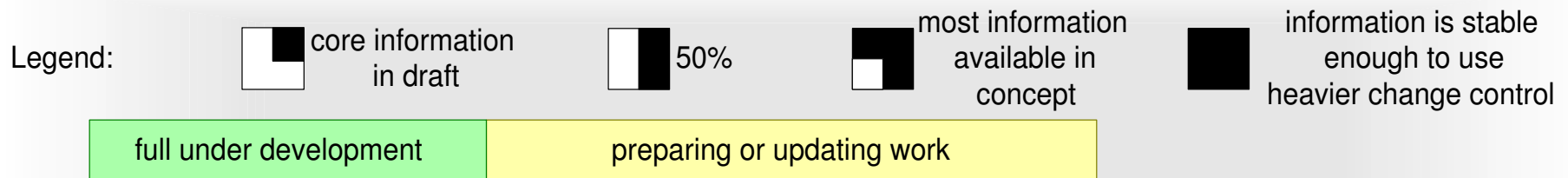
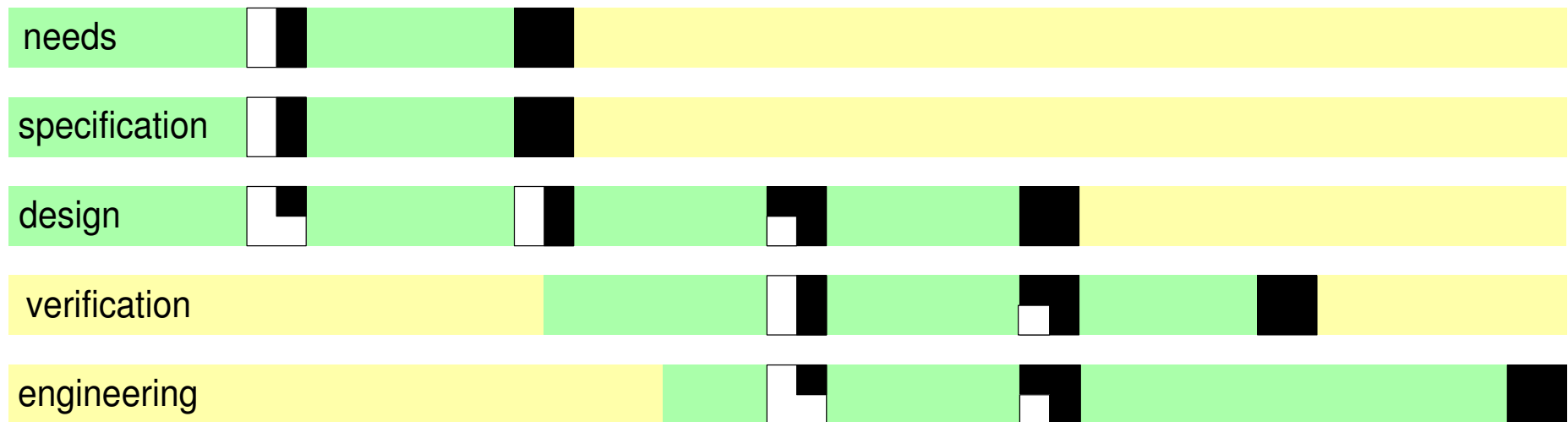
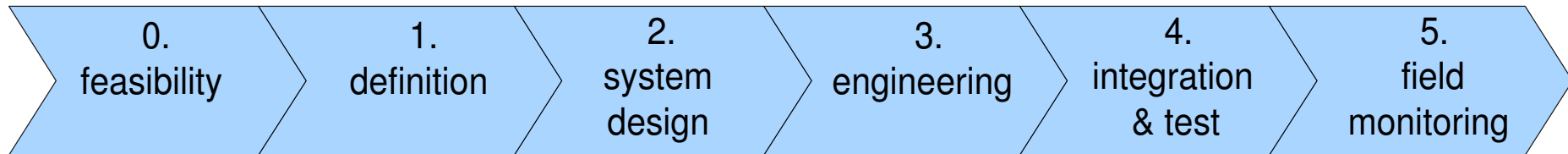
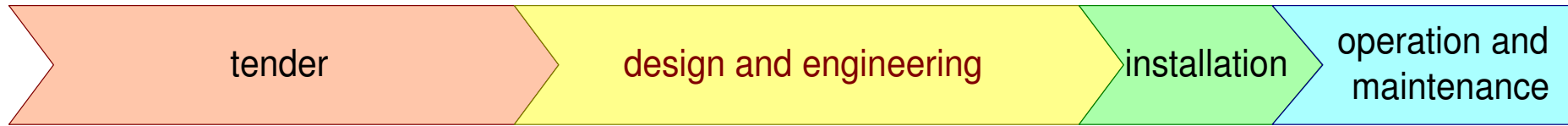


# Project Life Cycle

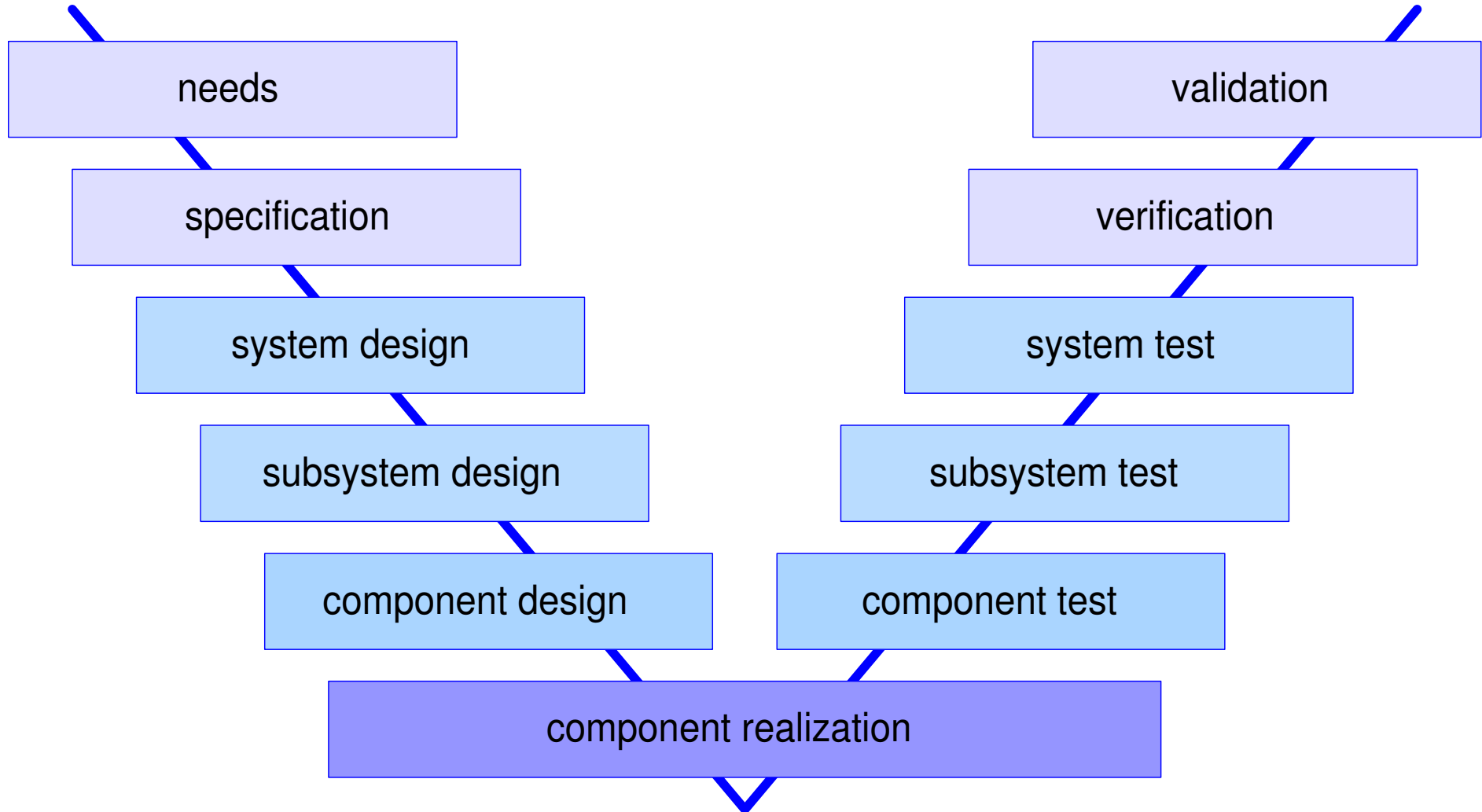
---



# Phased Project Approach

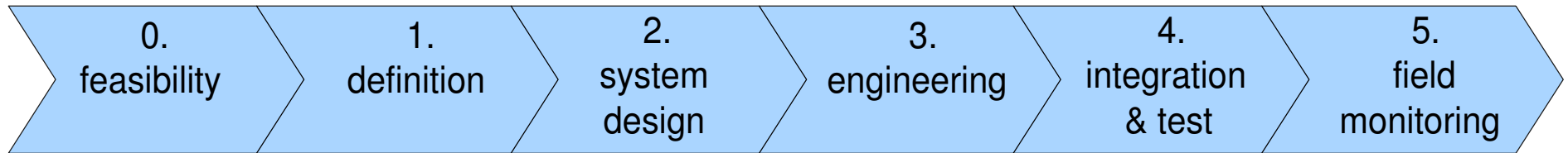


# V-Model



# All Business Functions Participate

---



sales

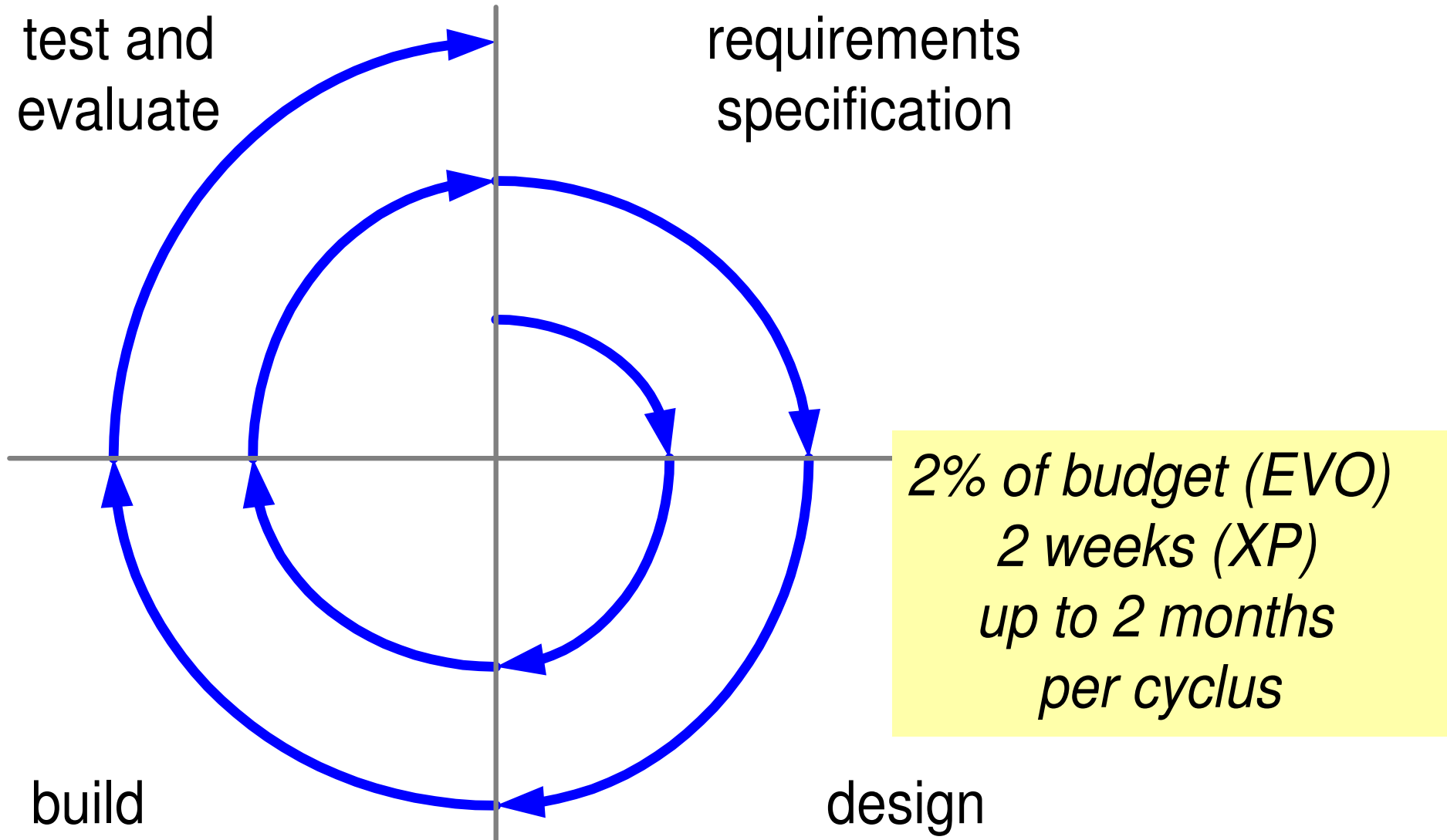
logistics

production

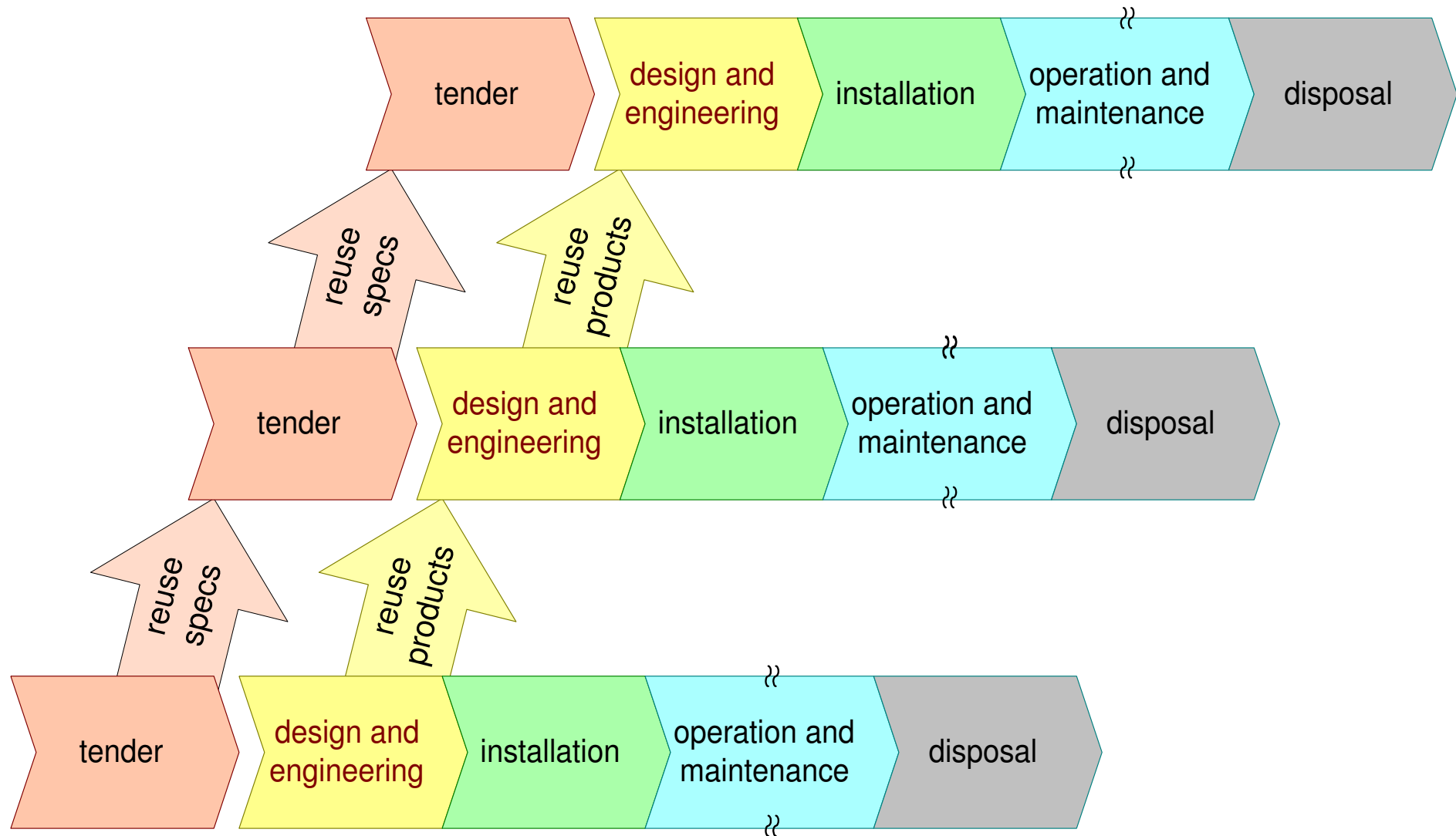
service

development & engineering: marketing, project management, design

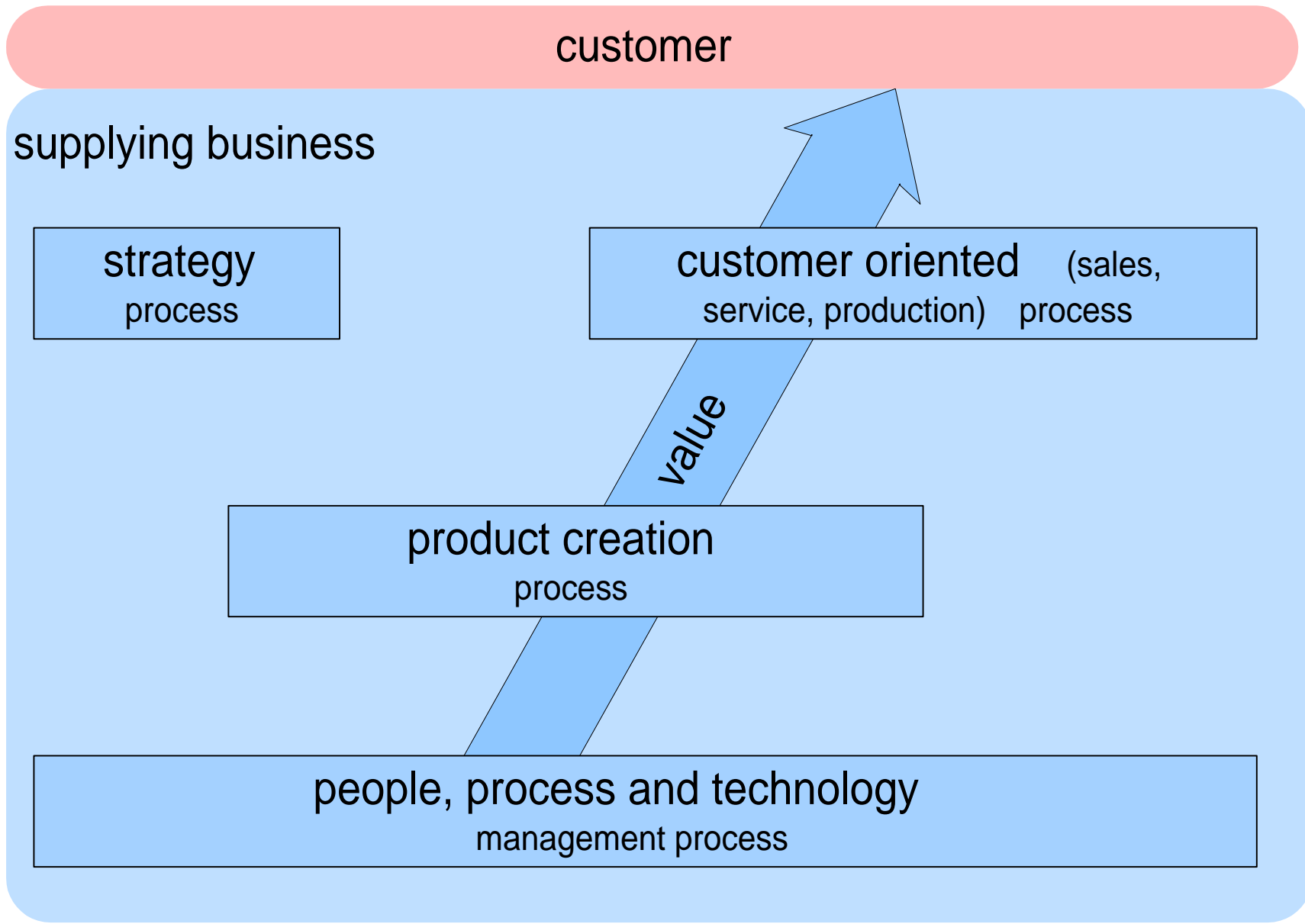
# Evolutionary PCP model



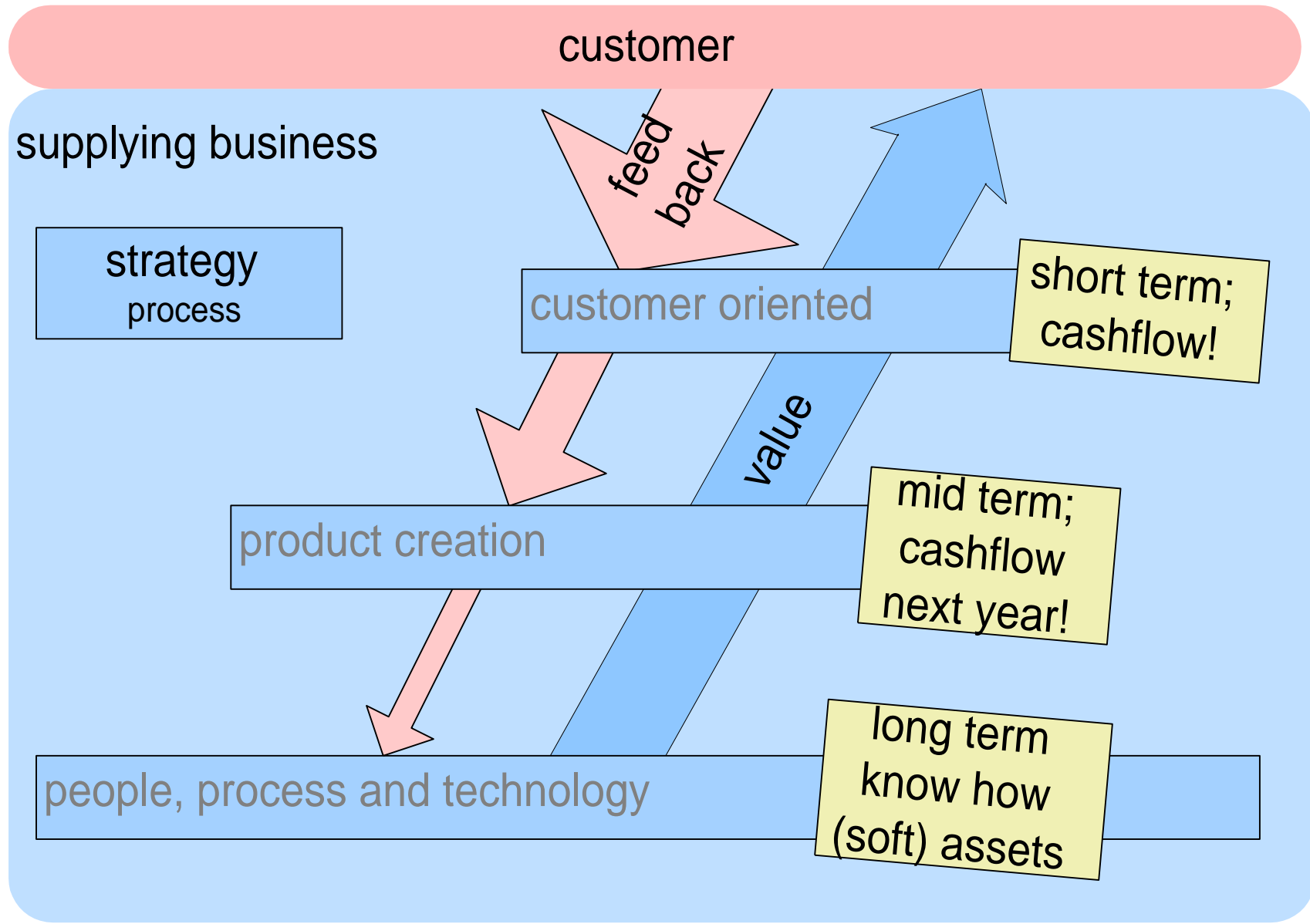
# Reuse and Products



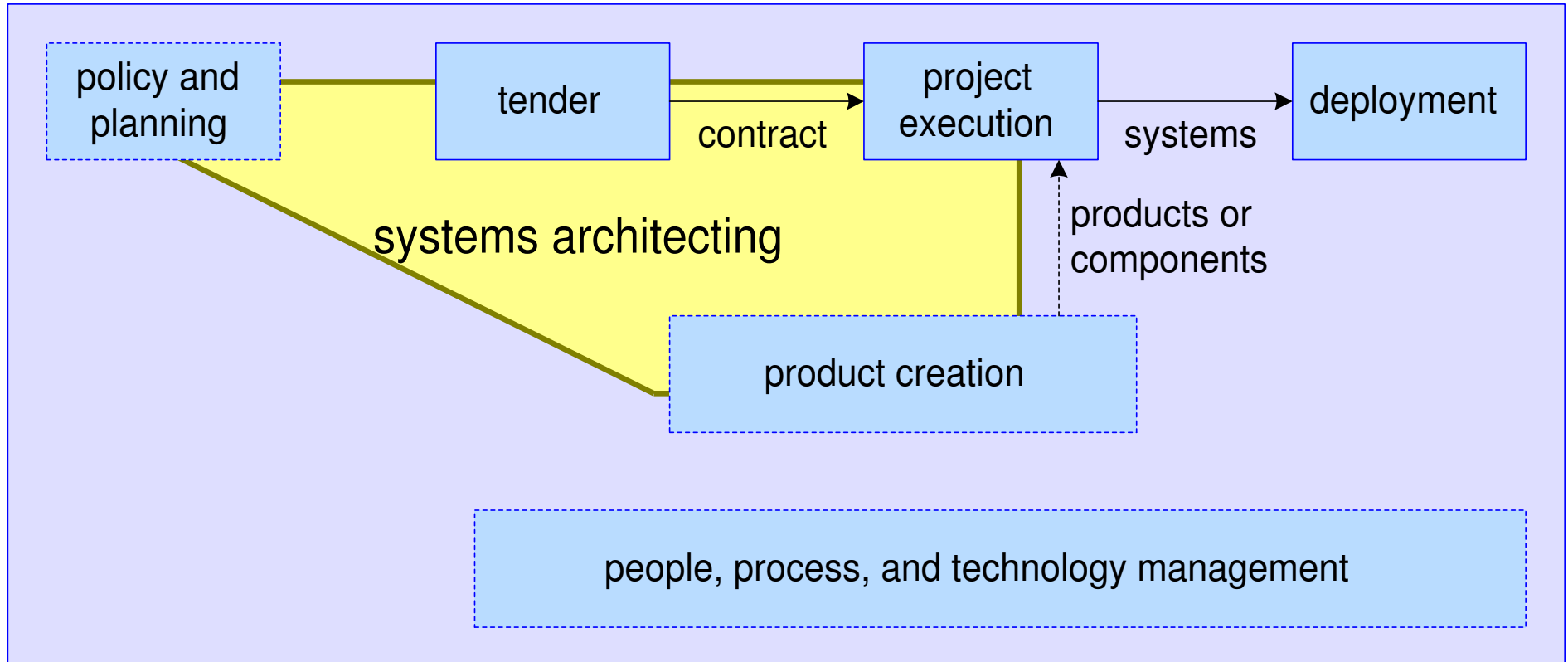
# Simplified Process View



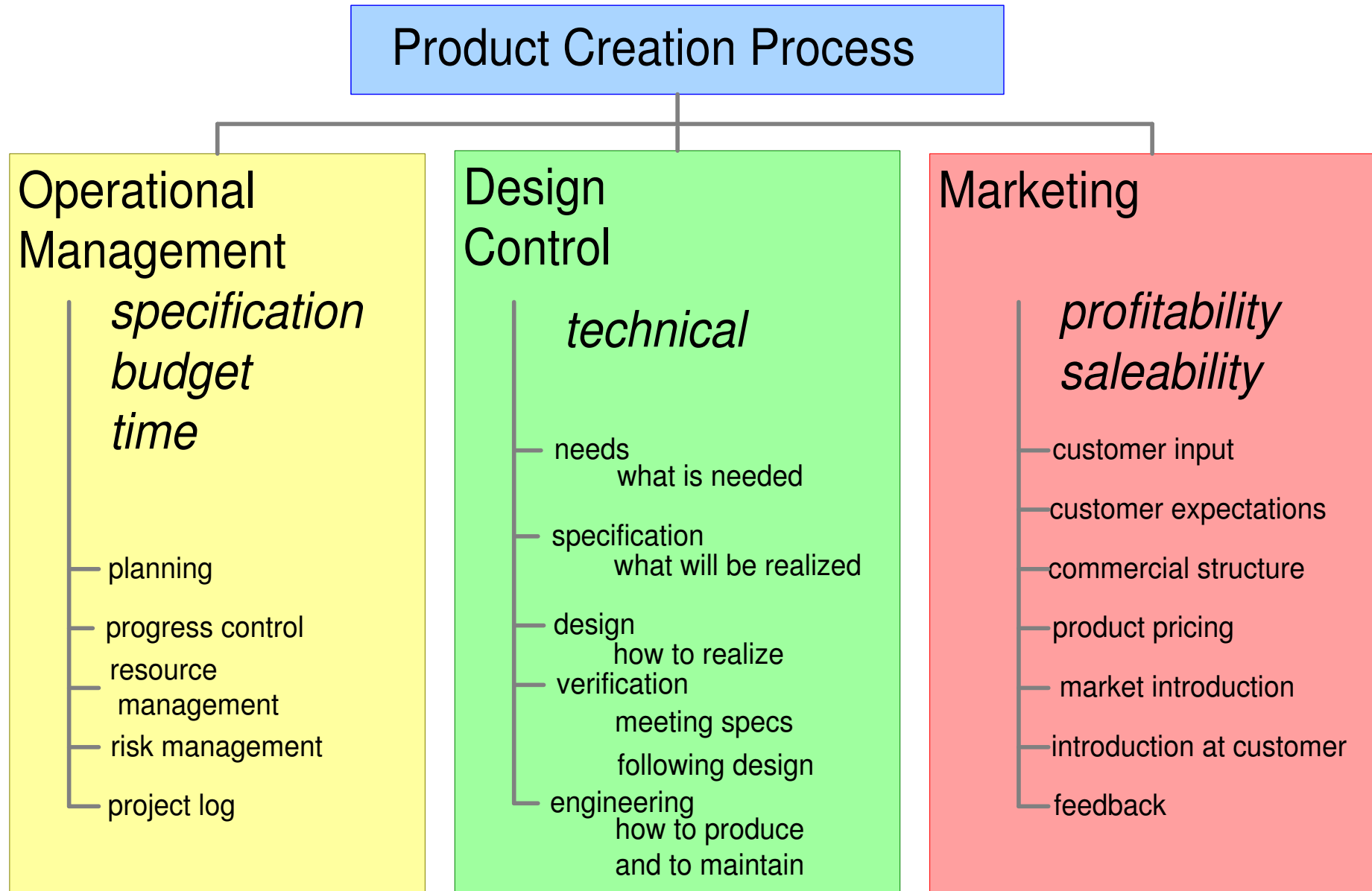
# Simplified Process; Money and Feedback



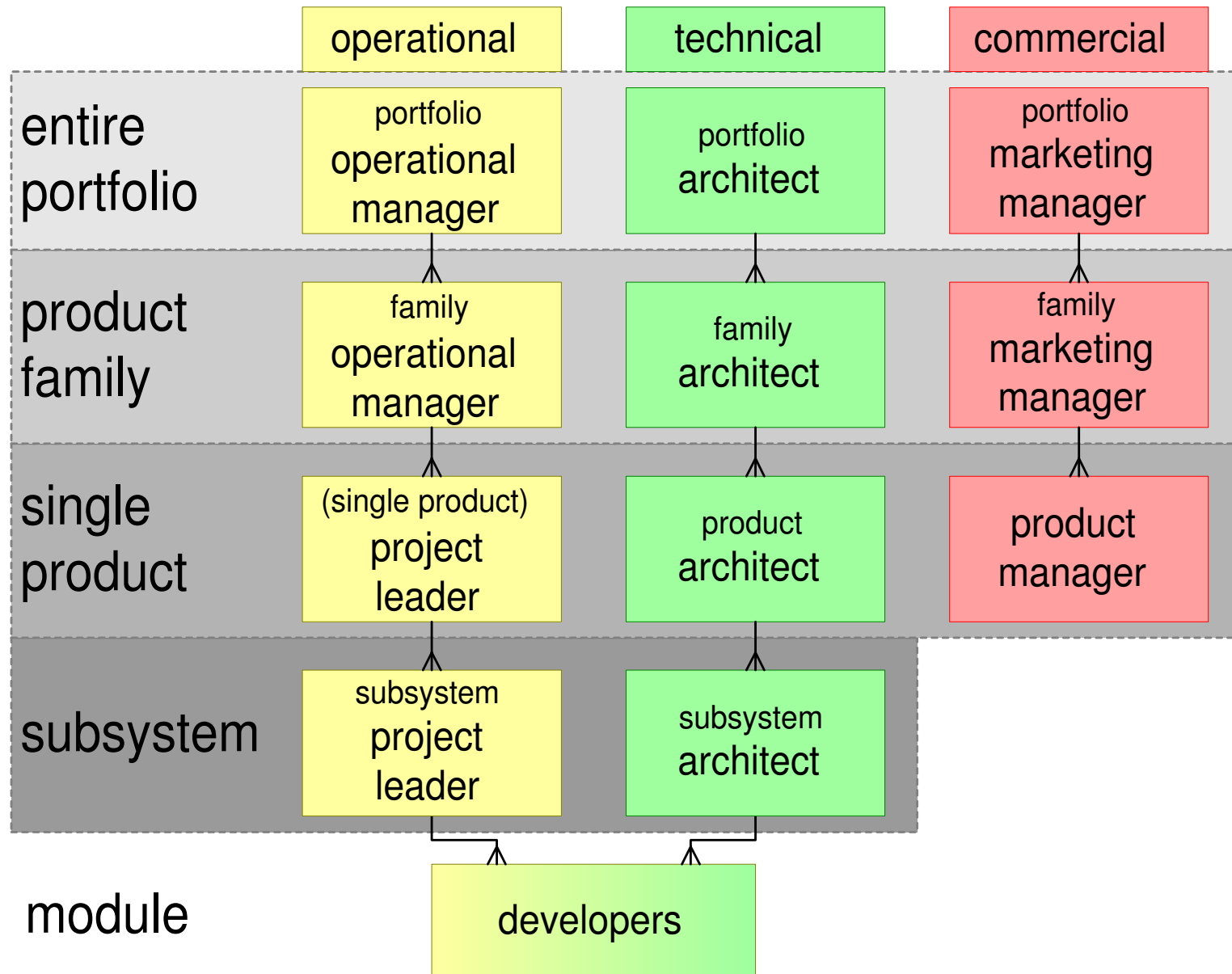
# Simplified process diagram for project business



# Decomposition of the Product Creation Process

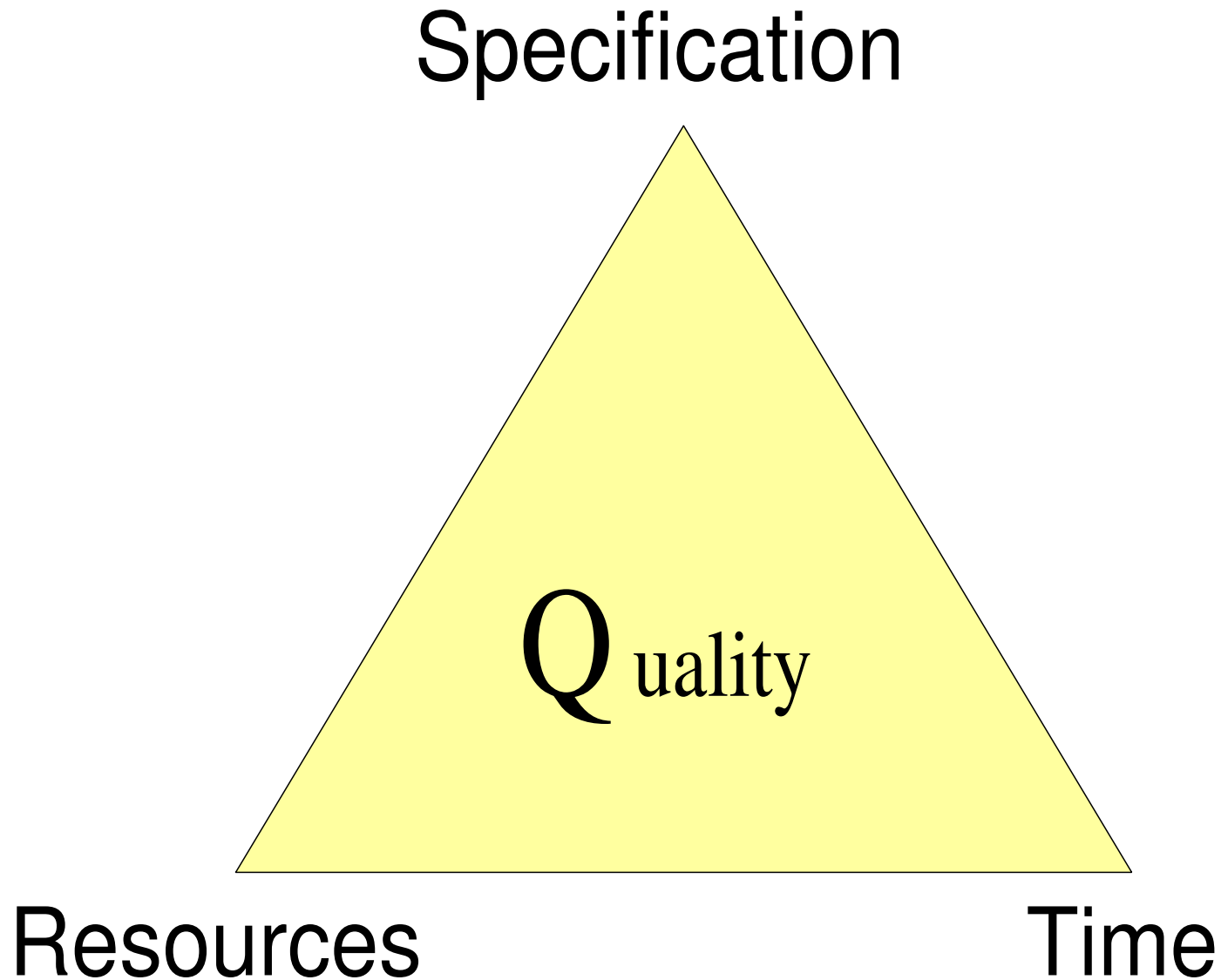


# Operational Organization of the PCP



# Prime Responsibilities of the Operational Leader

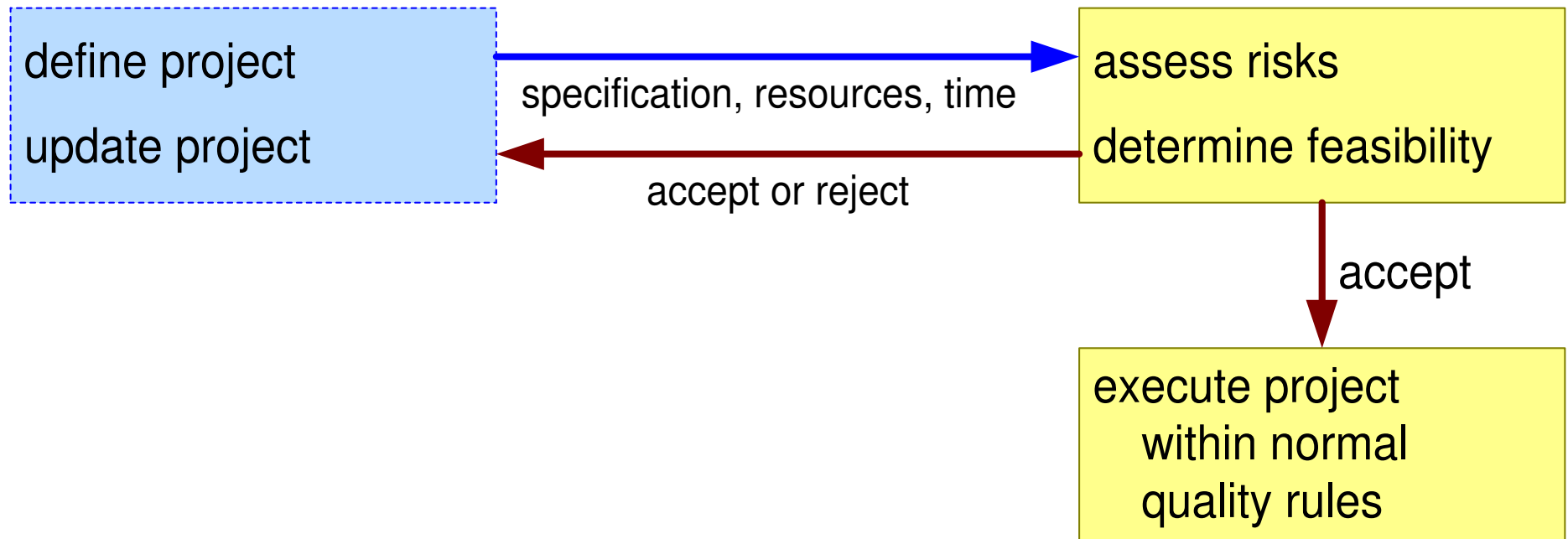
---



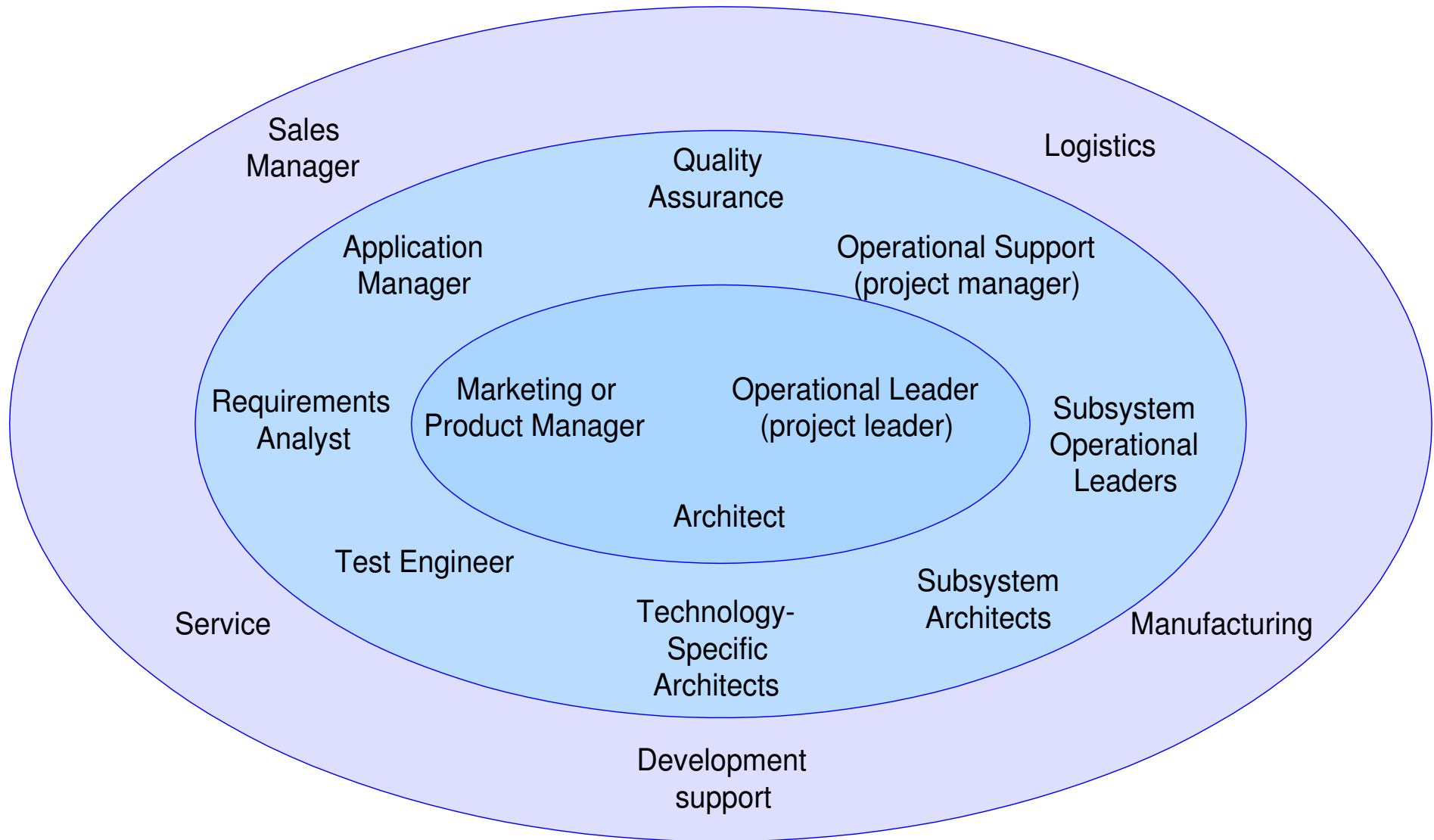
# The Rules of the Operational Game

business management

project leader



# Operational Teams



# What Service Level to Deliver?

