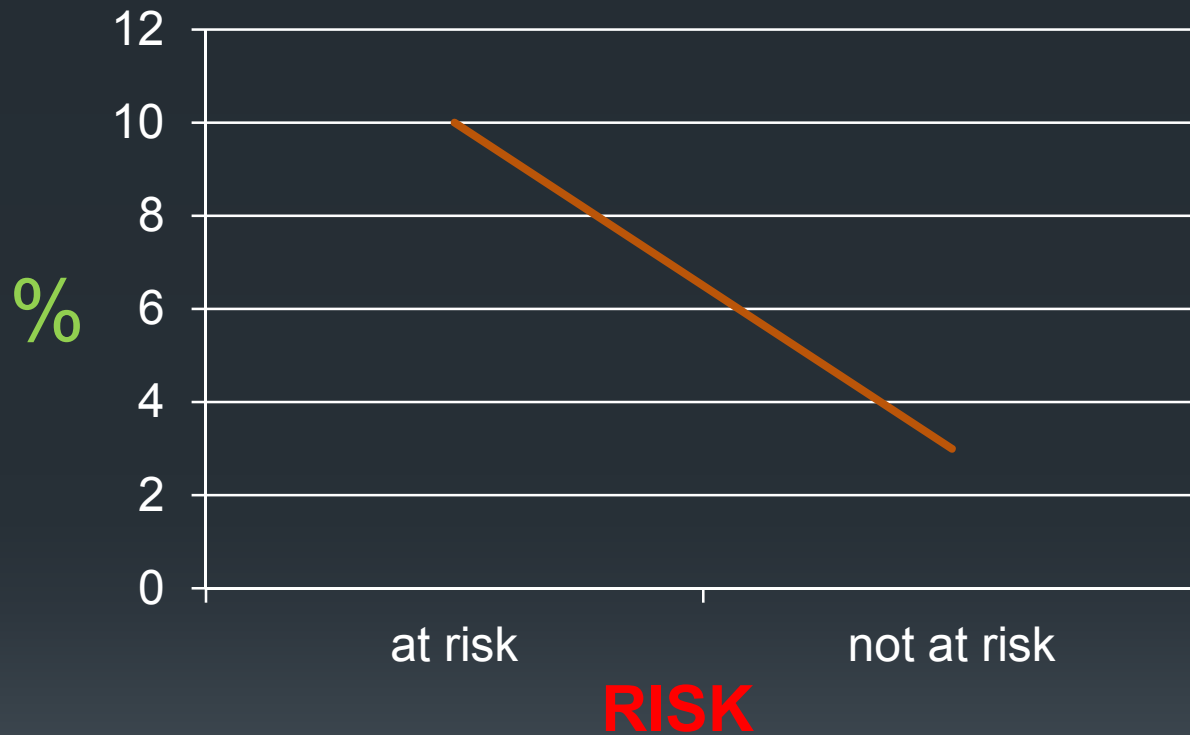




construction management systems & operations

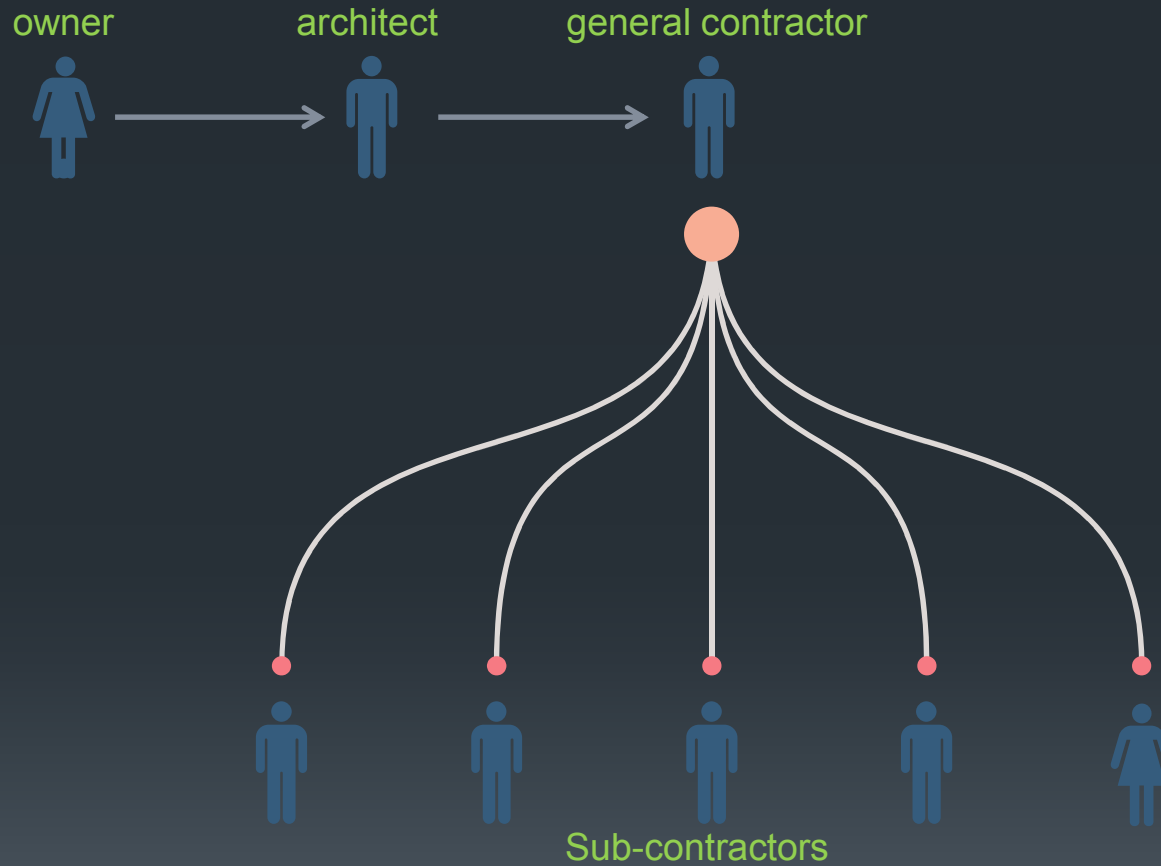
project management, bookkeeping, and project controls

CM contract margins decrease with risk

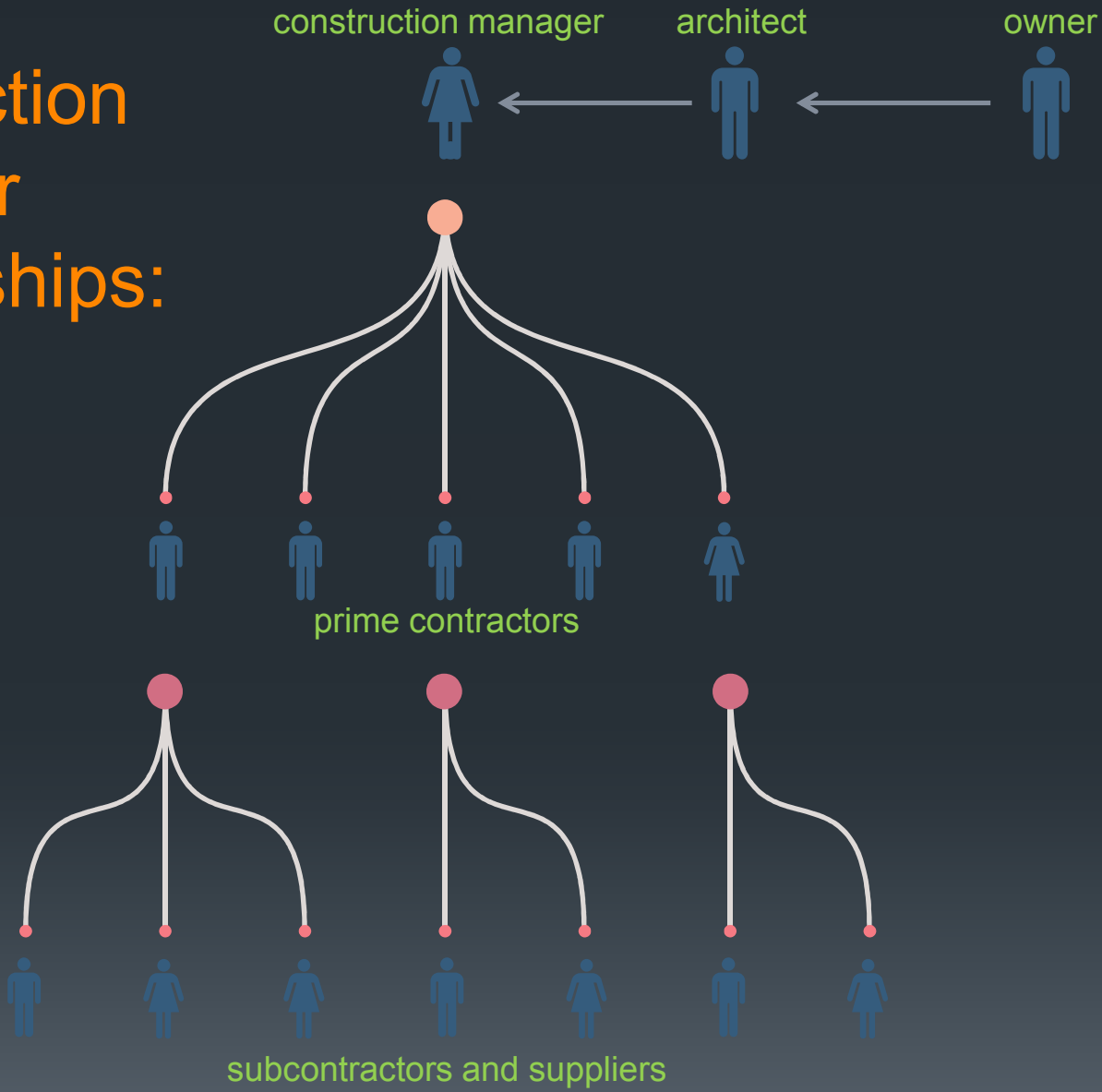


Traditional contractual relationships

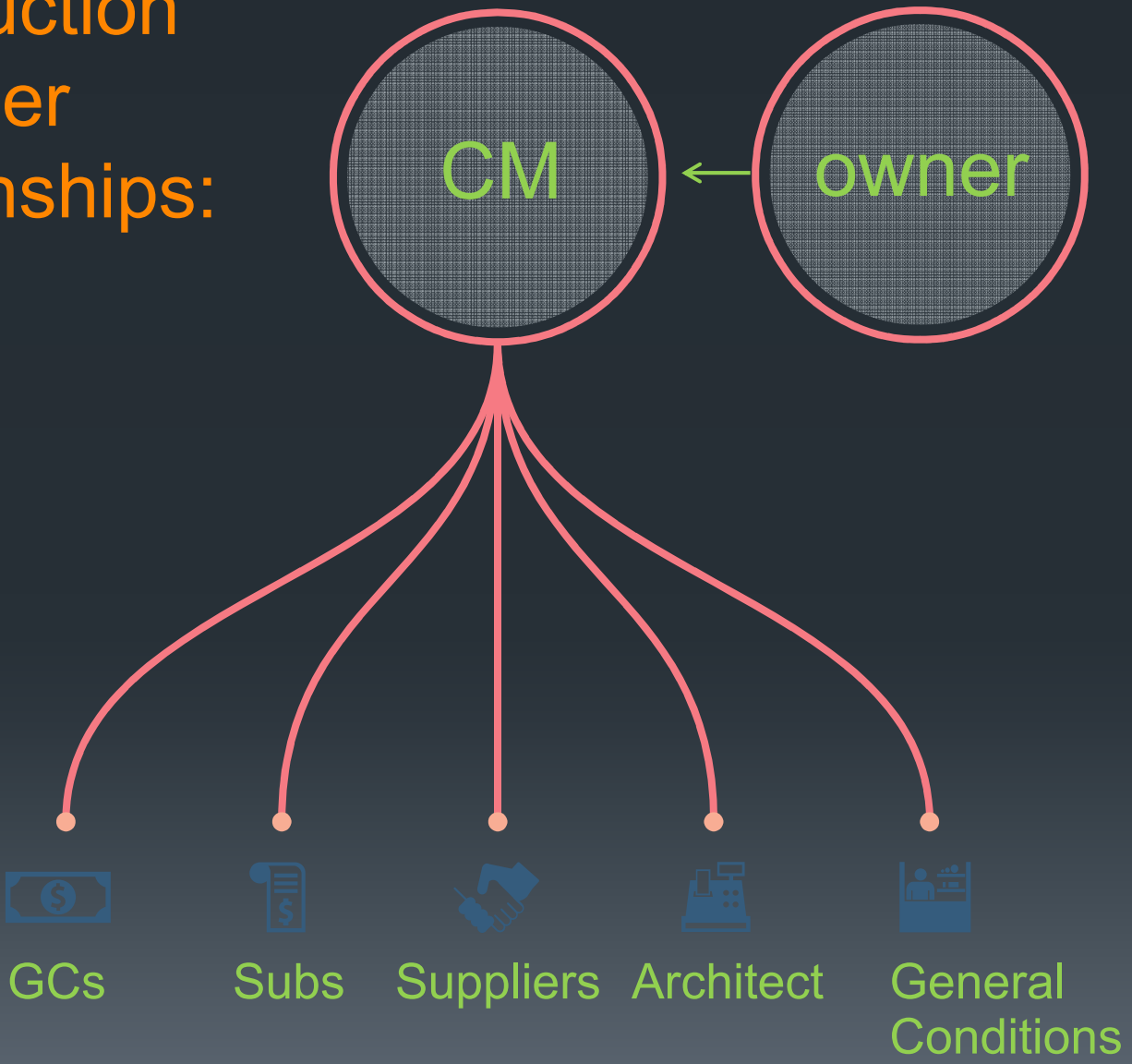
3



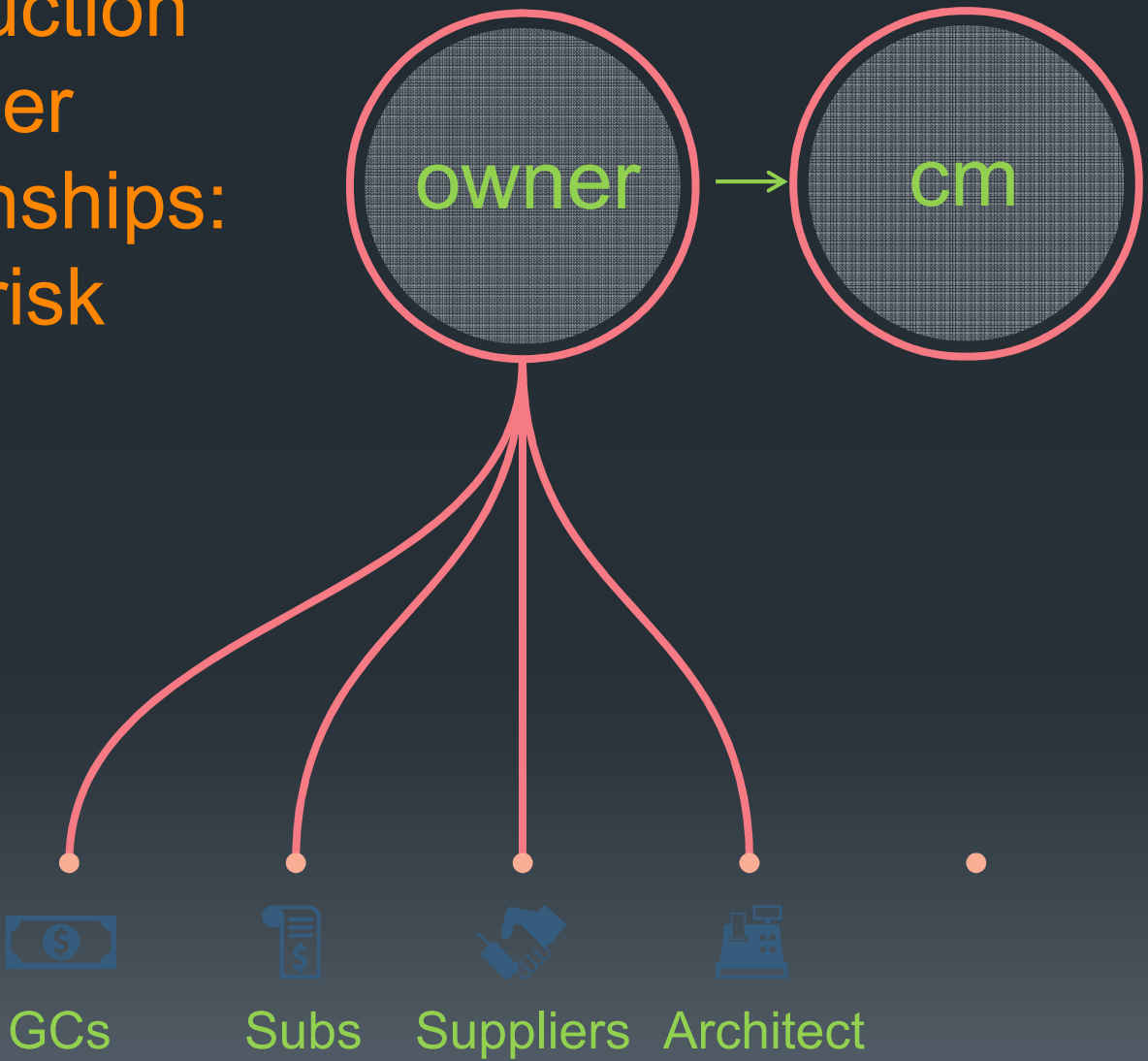
construction manager relationships: at risk



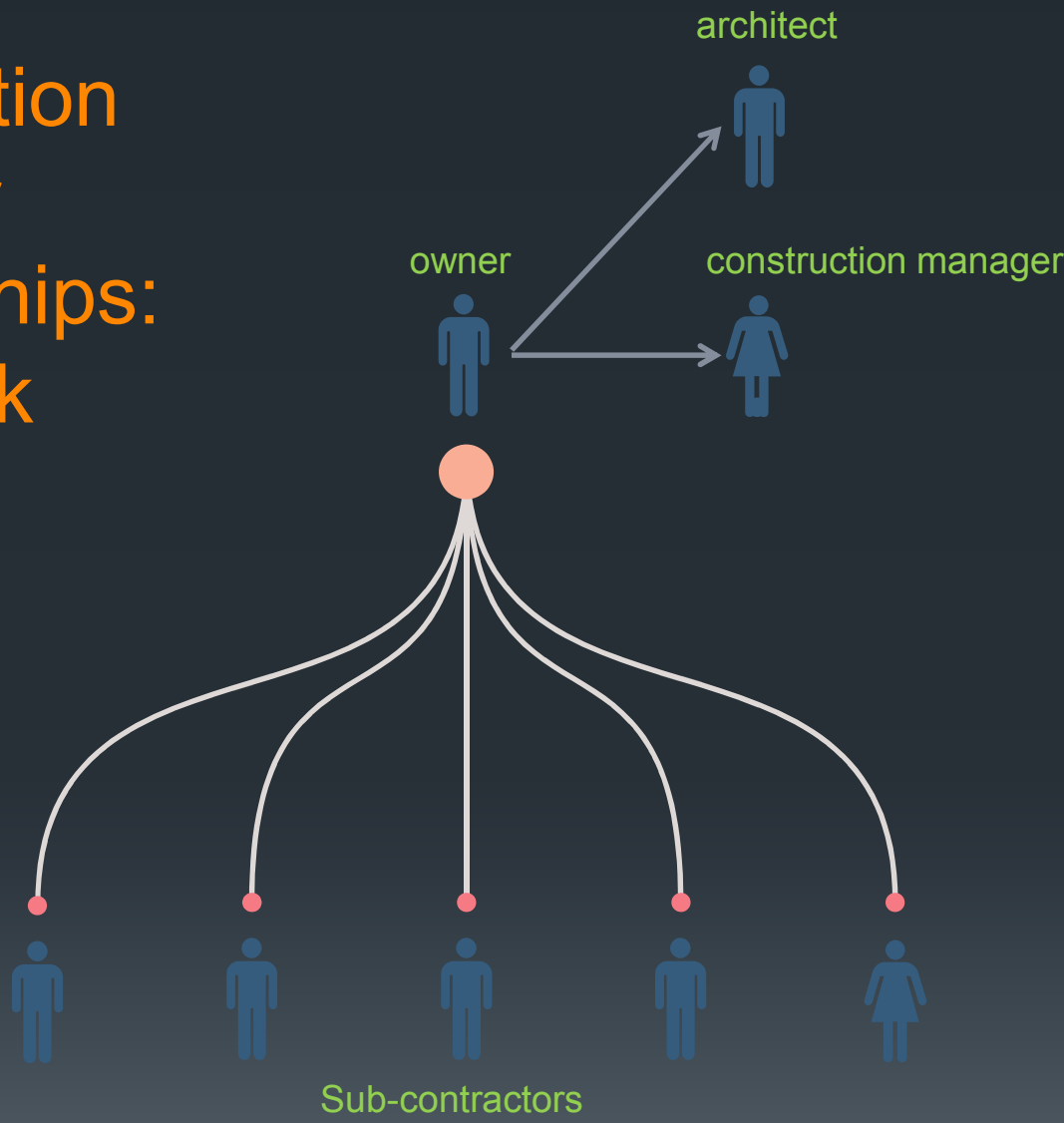
construction manager relationships: at risk



construction
manager
relationships:
not at risk



construction manager relationships: not at risk



project controls



pre-con
budget



schedule



bid
solicitation



bid leveling



award
contracts



verification



change
management



close-out



project control documents



CPM tracking

Tracking budget

CPM recovery

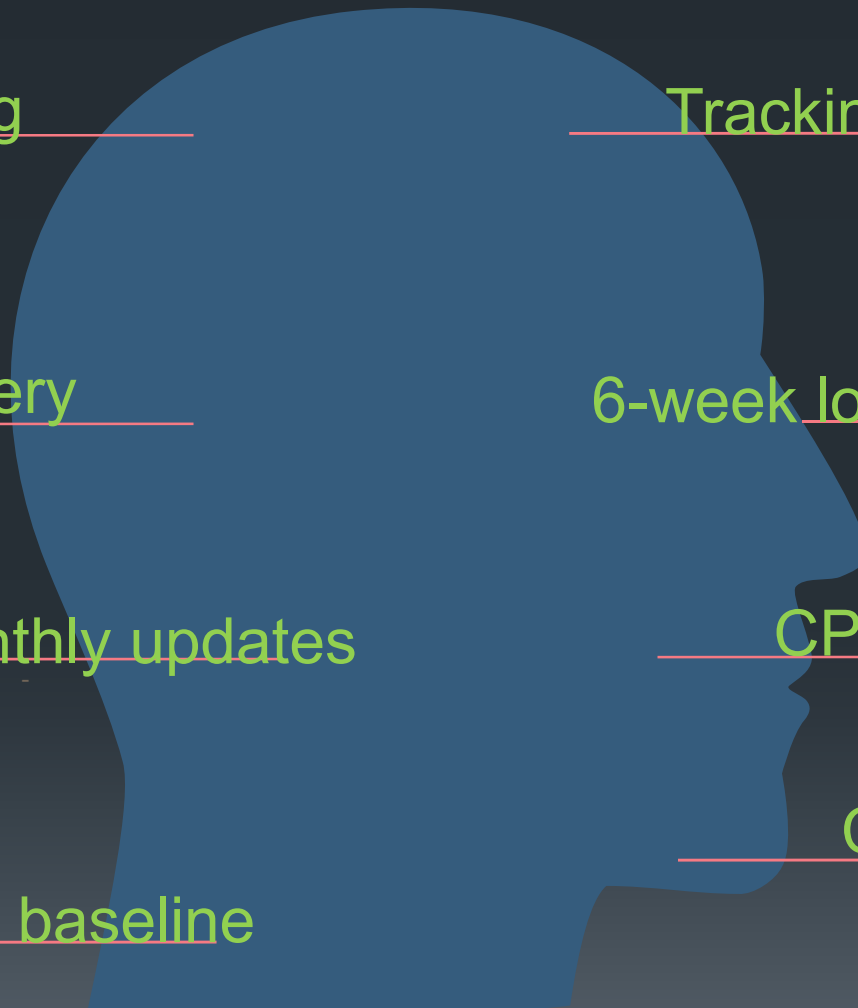
6-week look-ahead*

CPM monthly updates

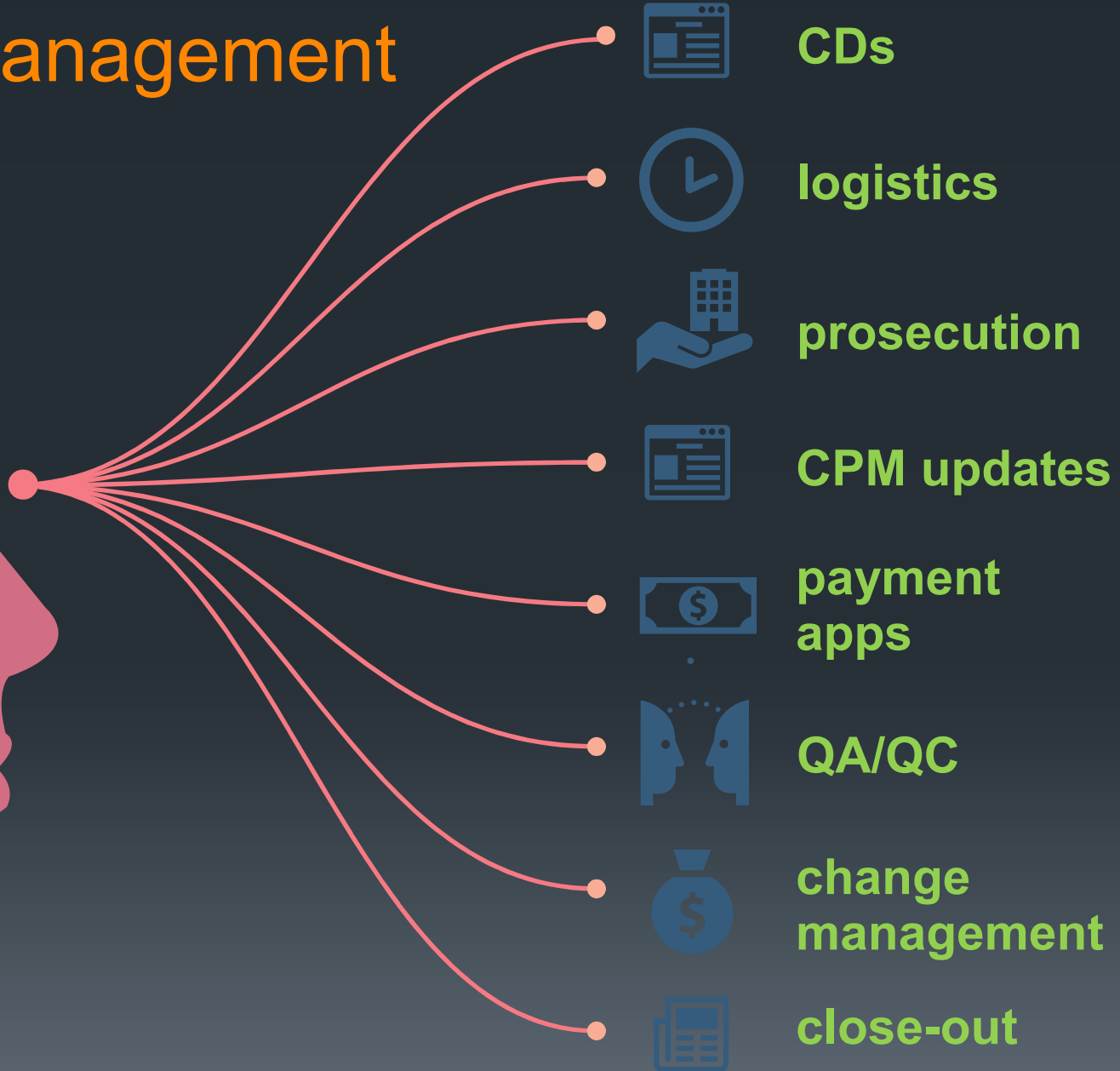
CPM mitigation

CPM prelim baseline

CPM baseline



project management



PM control documents

meeting minutes

budget report

submittals/permits

schedule update

arch. drawings

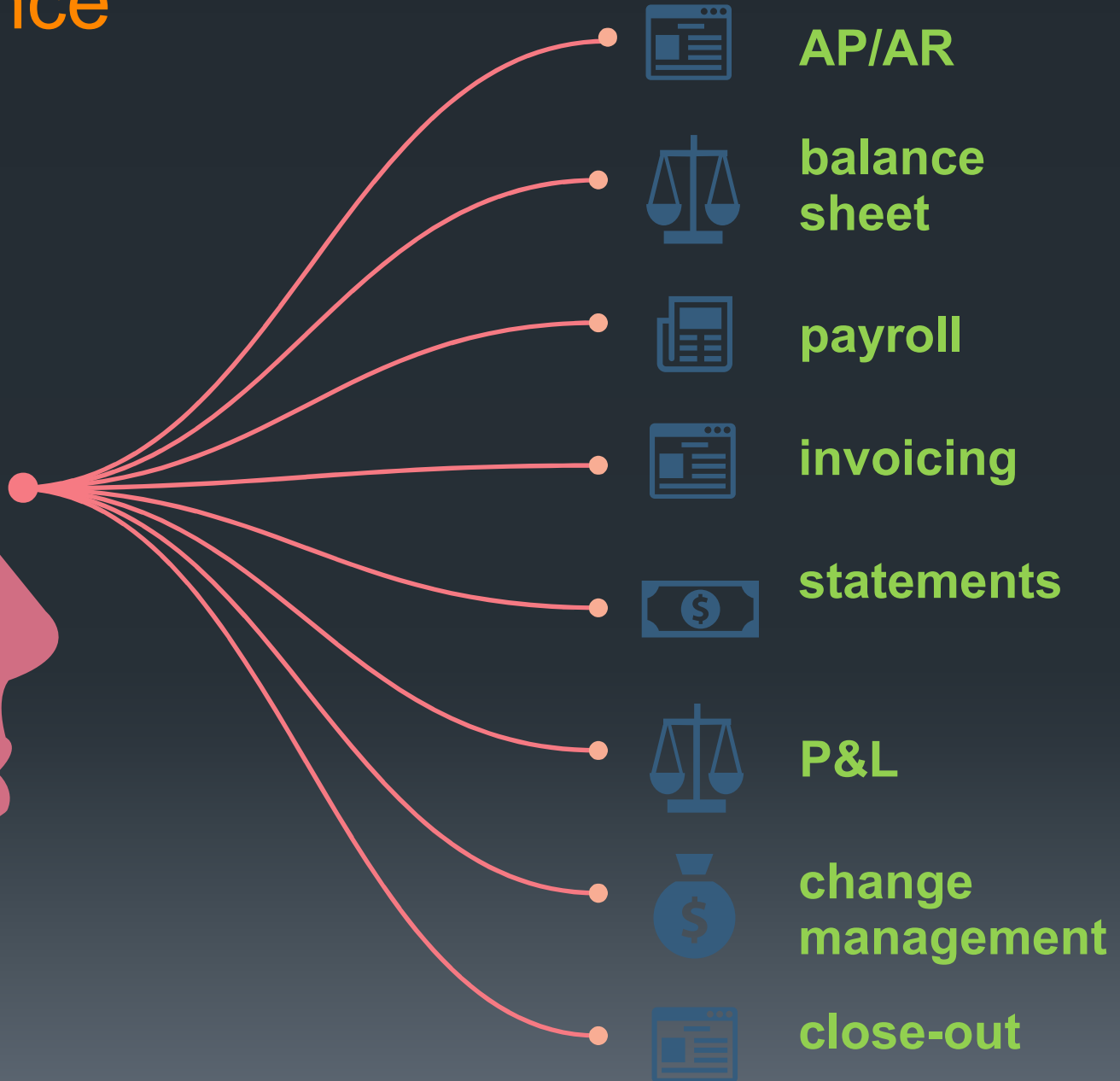
requests for info

change orders

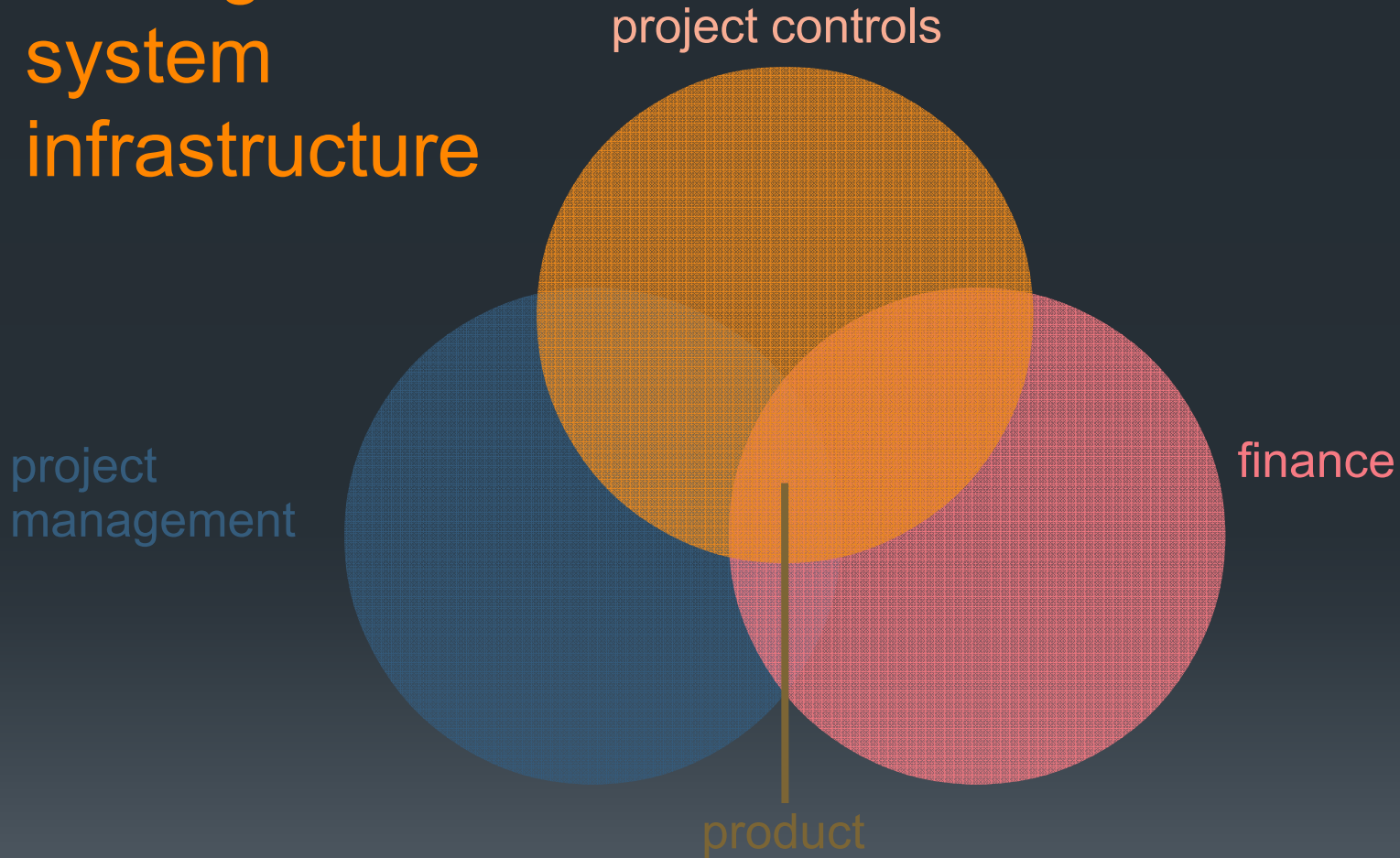
safety/HAZMAT



finance



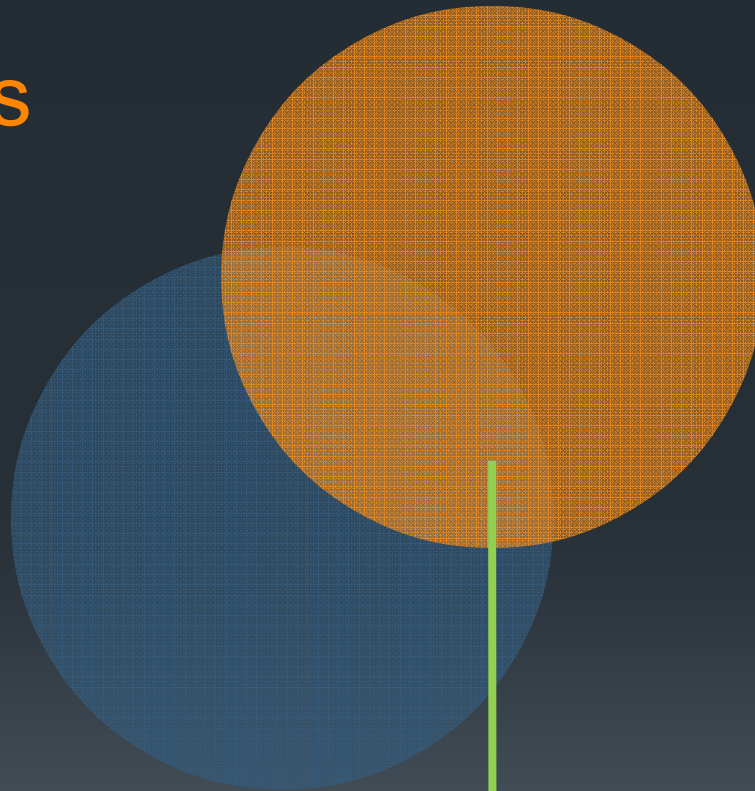
construction management system infrastructure



construction management system interfaces



project controls



project
management

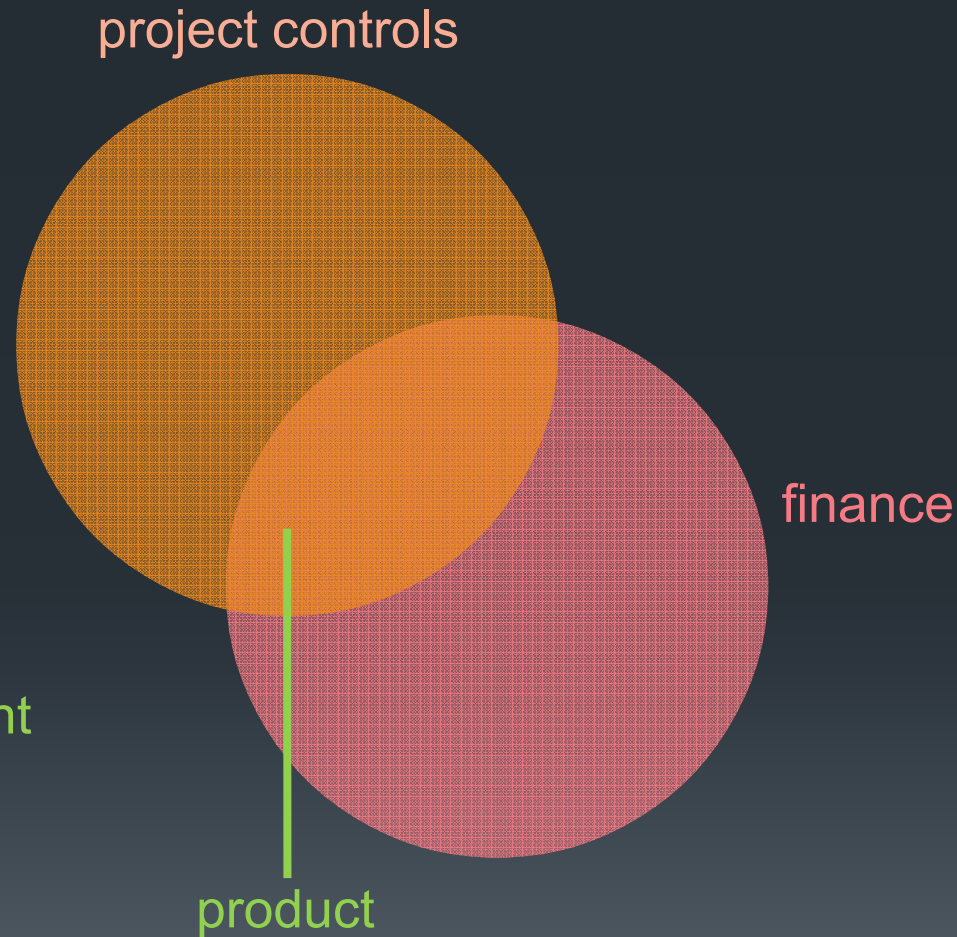
product

1. project team
2. project budget
3. schedule
4. constraints
5. permits
6. logistics
7. buy-outs

construction management system interfaces



1. Contract value
2. Contract duration
3. Progress payments
4. Continuation sheet
5. Change management
6. Sub-contracts
7. Procurement
8. Qualifications

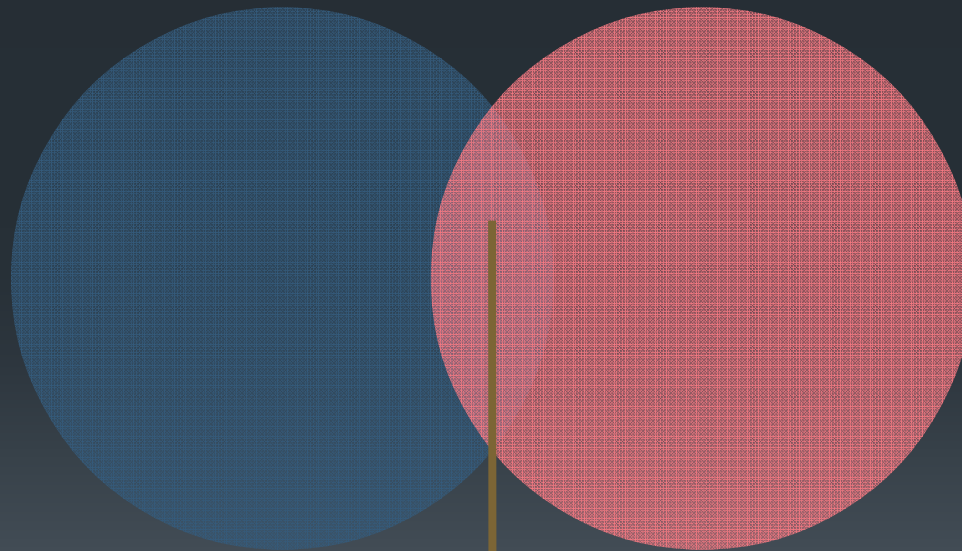


construction management system interfaces

1. Payroll
2. Payment apps (AR)
3. Accounts payable
4. Change management
5. Waivers, COI
6. Reimbursables, PC
7. HR
8. Office Management



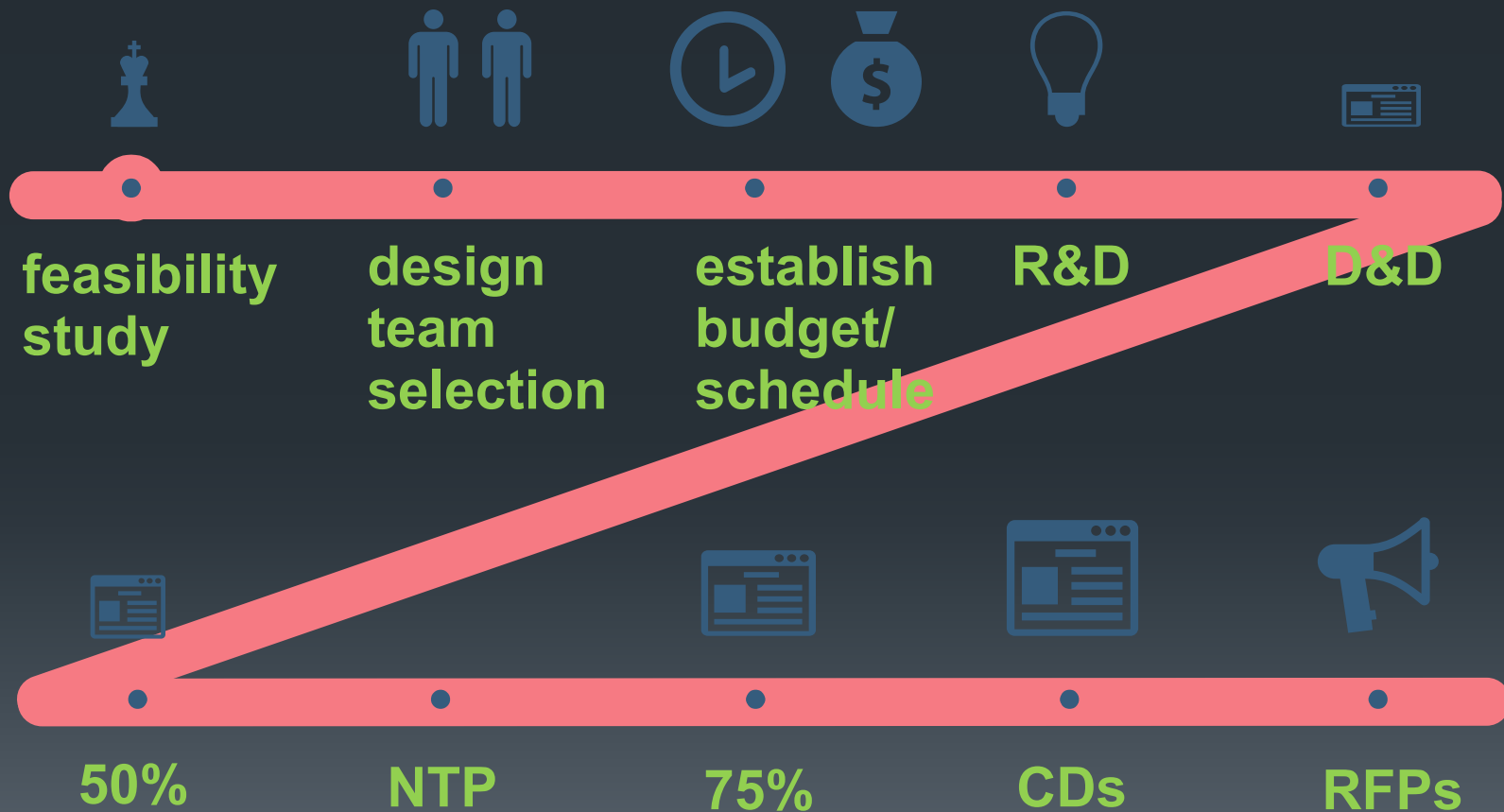
project management



finance

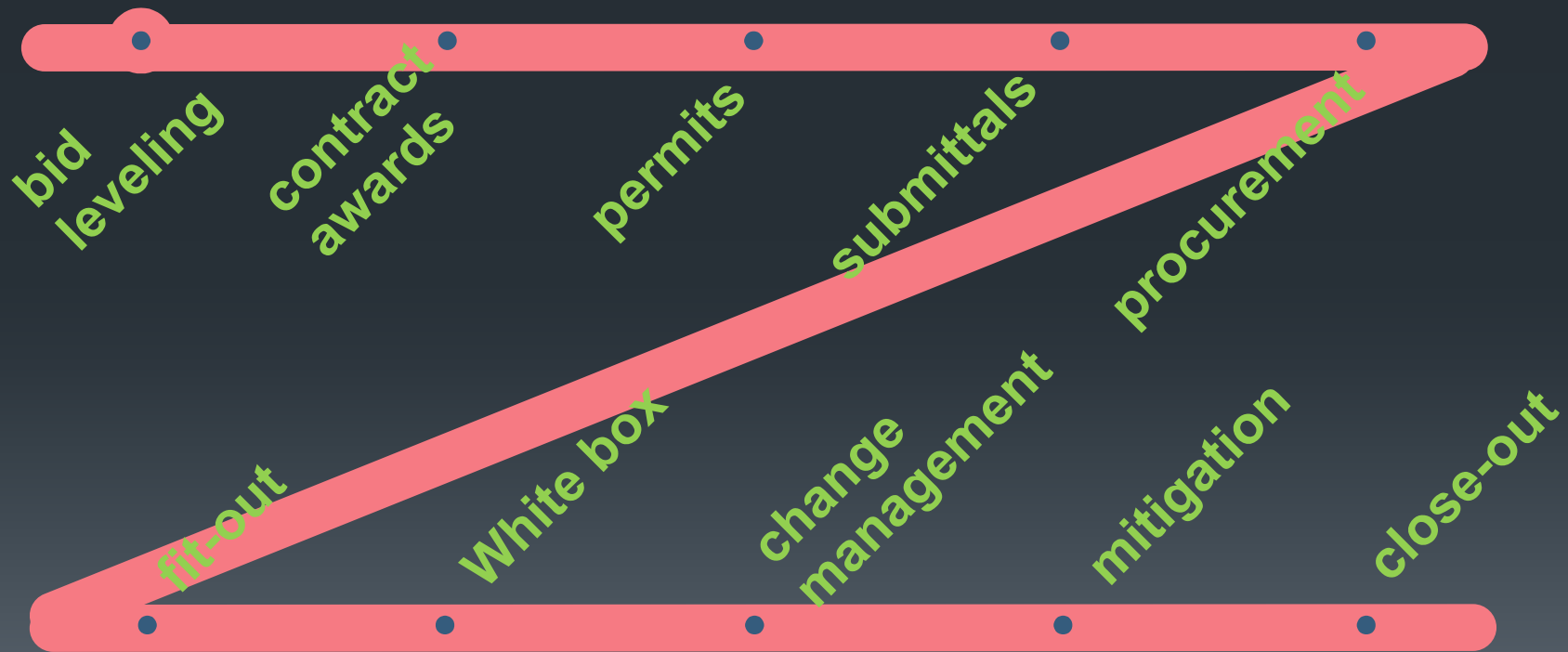
product

construction management process preconstruction



construction management process

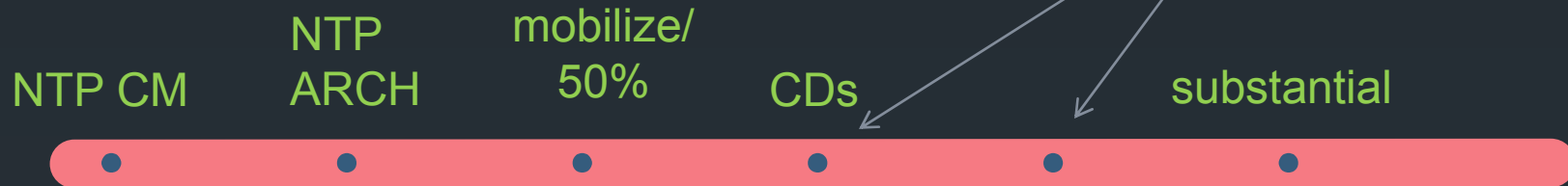
preconstruction/construction/close-out





construction management v. traditional project delivery

6-mo. typ.



CM project- delivery = 30 months



GC project- delivery = 36 months