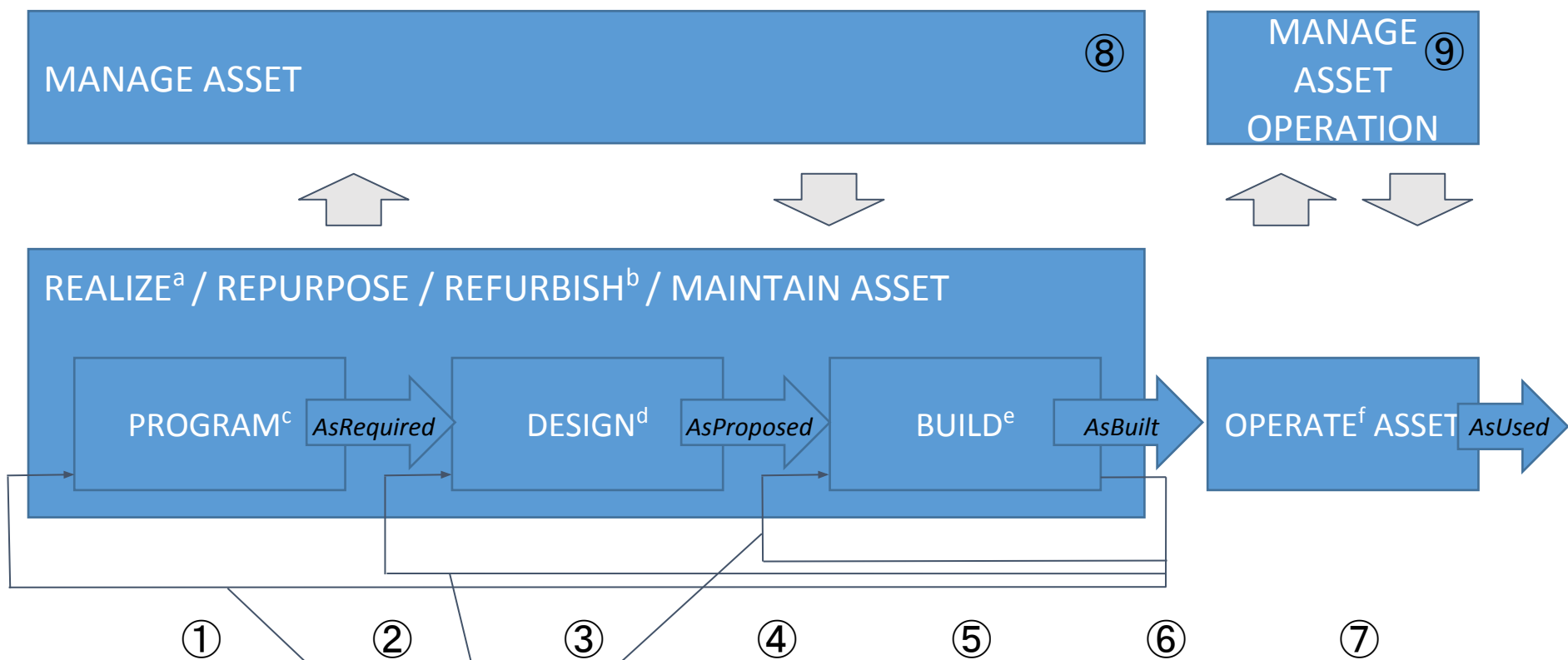


Asset Life-Cycle, essential views

- AsRequired – what is needed (client)/allowed (regulation)?
 - AsProposed – what is possible/proposed/offered?
 - AsBuilt – what is actually constructed/deconstructed?
 - AsUsed – what is the asset's state during operation?
-
- Two Management views: Asset itself & Asset Usage
-
- >>> Six main Asset LifeCycle Phases



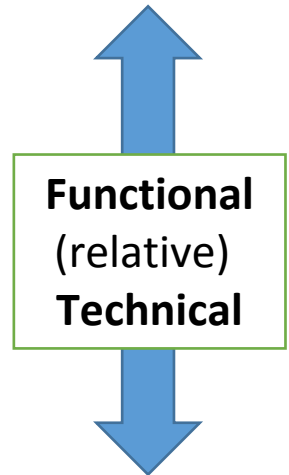
Alternative Synonyms

- ^a Develop, Make
- ^b Renovate, Retrofit
- ^c Specify, Plan, Incept
- ^d Engineer
- ^e Construct, Make, Realize
- ^f Use, Utilize, Exploit

- Maintain : ReBuild only (same AsRequired & AsProposed)
- Refurbish : ReDesign + ReBuild (same AsRequired)
- Repurpose : ReProgram + ReDesign + ReBuild
- (Demolish 10) : Special Case of Repurpose: 'stop operation')

Asset SupplyChain

- Orthogonal to LifeCycle dimension
- Related to Construction Asset Decomposition
 - Area (here: Built Environment)
 - Structure (here: Building, Road, Rail, Bridge, Tunnel, ...)
 - System (here: SpatialSystem, InstallationSystem, ...)
 - Component (here: BuildingElement, Device, ...)
 - Material (here: Steel, Concrete, Brickwork, ...)
- Generating Extra or Sub Use Case Types



New Innovative Software Functionality



Existing Software Functionalities

LifeCycle	Program	Manage Design	Build	Manage & Operate
SupplyChain				
Area	●	←→	●	
Structure		●		
System		↑↓		
Component				
Material		●		

