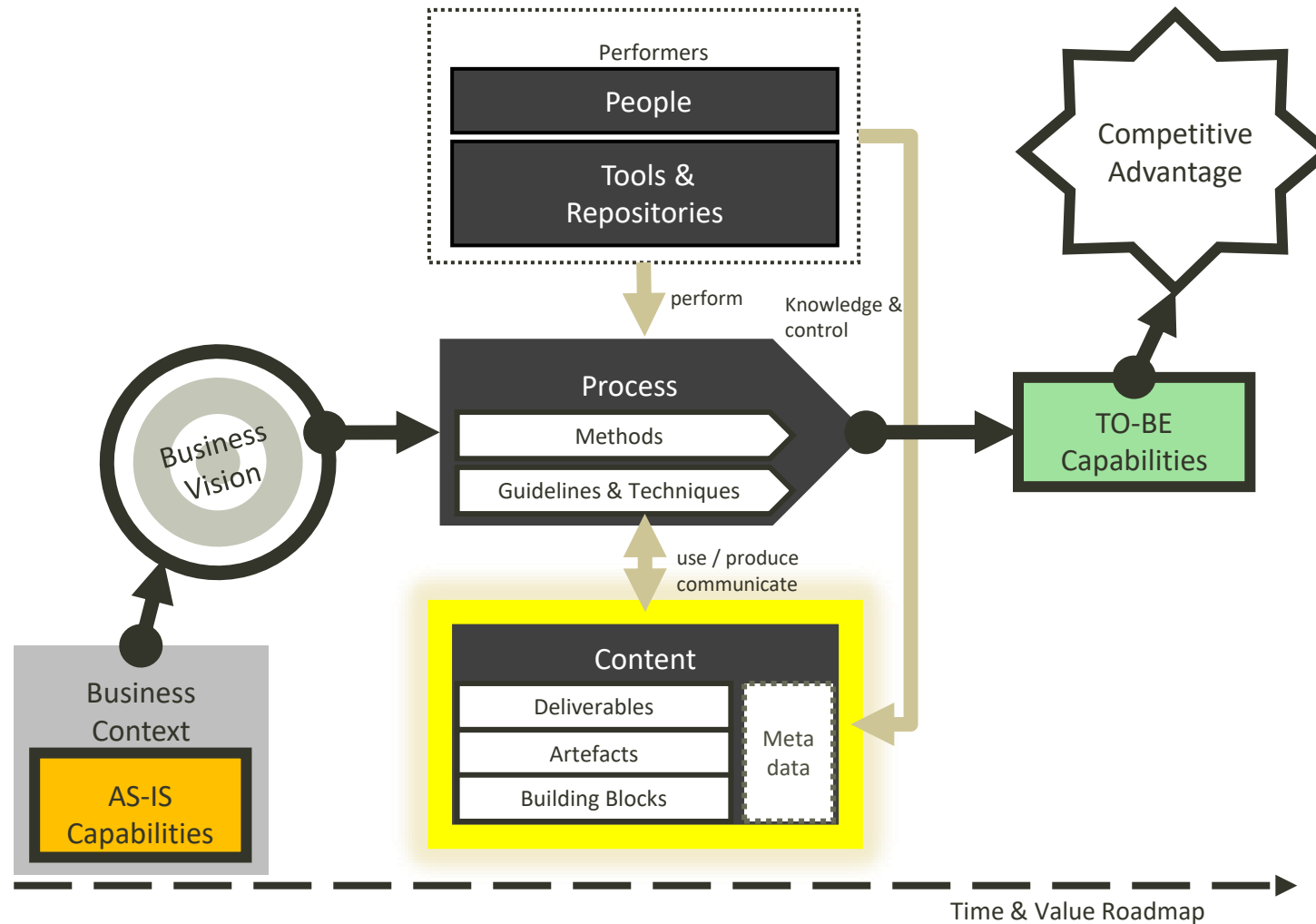


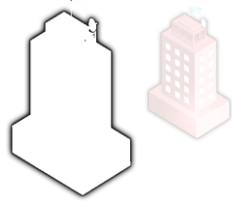


Unified Framework for Driving Transformations

Strategy & Architecture Content

Strategy & Architecture Content





Key Visibility Issues

Merger & Acquisition

Application & Technology Rationalization

- Where are IT and other redundancies?
- What is... not compliant with our standards, critical, not reliable enough, obsolete, expensive...?

Migrating to the cloud

- What can be migrated to the cloud? How easily? What are the dependencies?

Data Governance (GDPR)

- Which data is sensitive? Where is it used (where it shouldn't be)?

Where are our strengths, weaknesses, opportunities and threats?



Key Transformation Issues



Merger & Acquisition
Application & Technology Rationalization
Migrating to the cloud
Data Governance (GDPR)
IoT, AI...

- Why and how shall we optimize our business model?
- Which goals do we want to achieve?
- What is our target capabilities roadmap?
- Which projects shall implement this roadmap?
- What is our target solution architecture?
- How shall we govern architecture and implementation?

Key questions for driving changes

Where are we today?

Where do we want to be in the future?



How shall we get there?

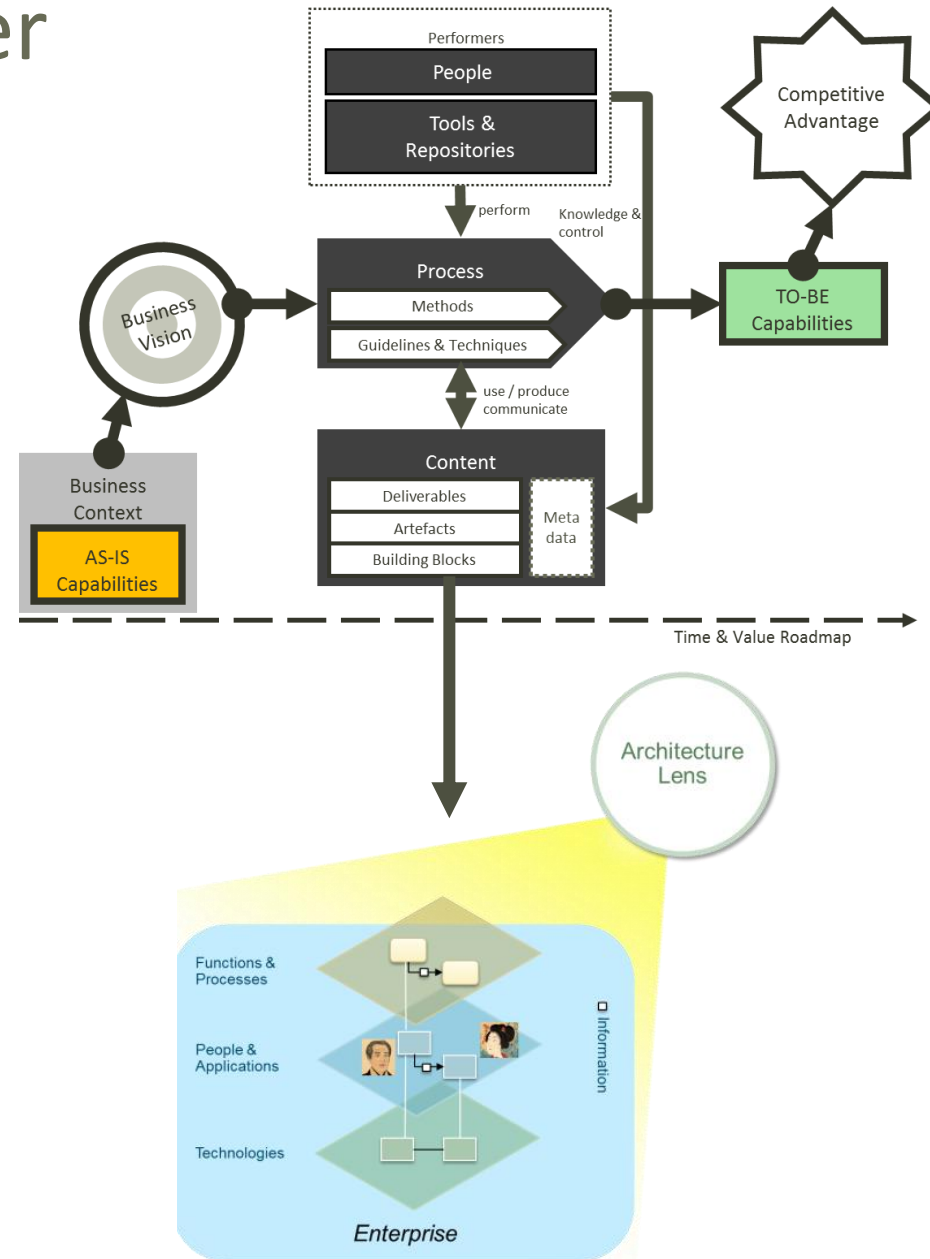
How shall we answer all these questions?



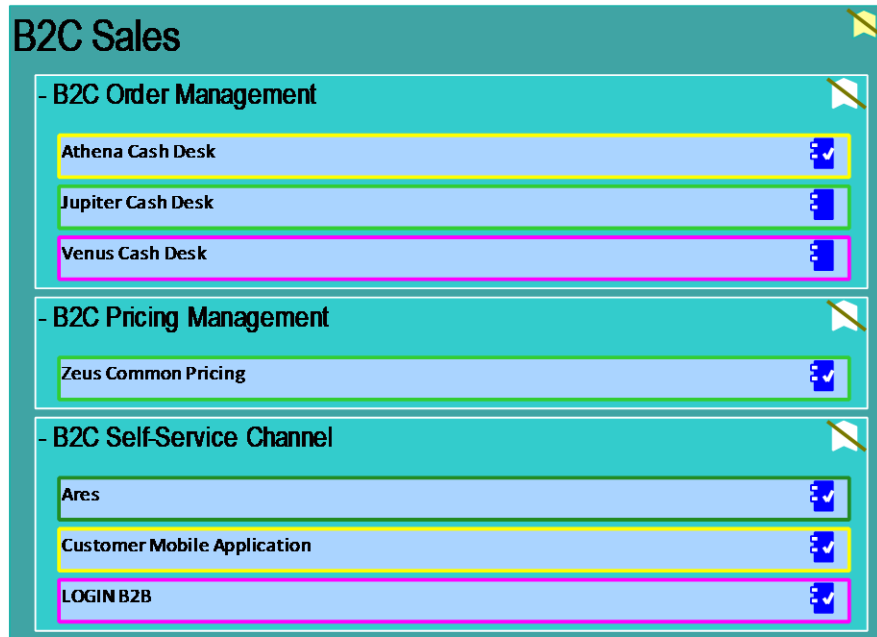
We need people, tools and a process for creating **the architecture views that we need.**



These **diagrams, charts and reports** will provide the answers to our questions.



Sample view answering some questions



Legend for Business Functions

| | |
|--------------------|--|
| Differentiator = ? | |
| = Y | |
| = N | |

| | |
|------------------|----------------------------|
| Externalized = Y | ◀ Entirely externalized |
| = P | ◀ Partially externalized |
| = N | Not externalized (default) |

Legend for Applications

| | |
|----------------------------------|--|
| TO-BE = Y (Standard Application) | |
| Deployment_Status = Terminated | |

Application Lifecycle / Vision

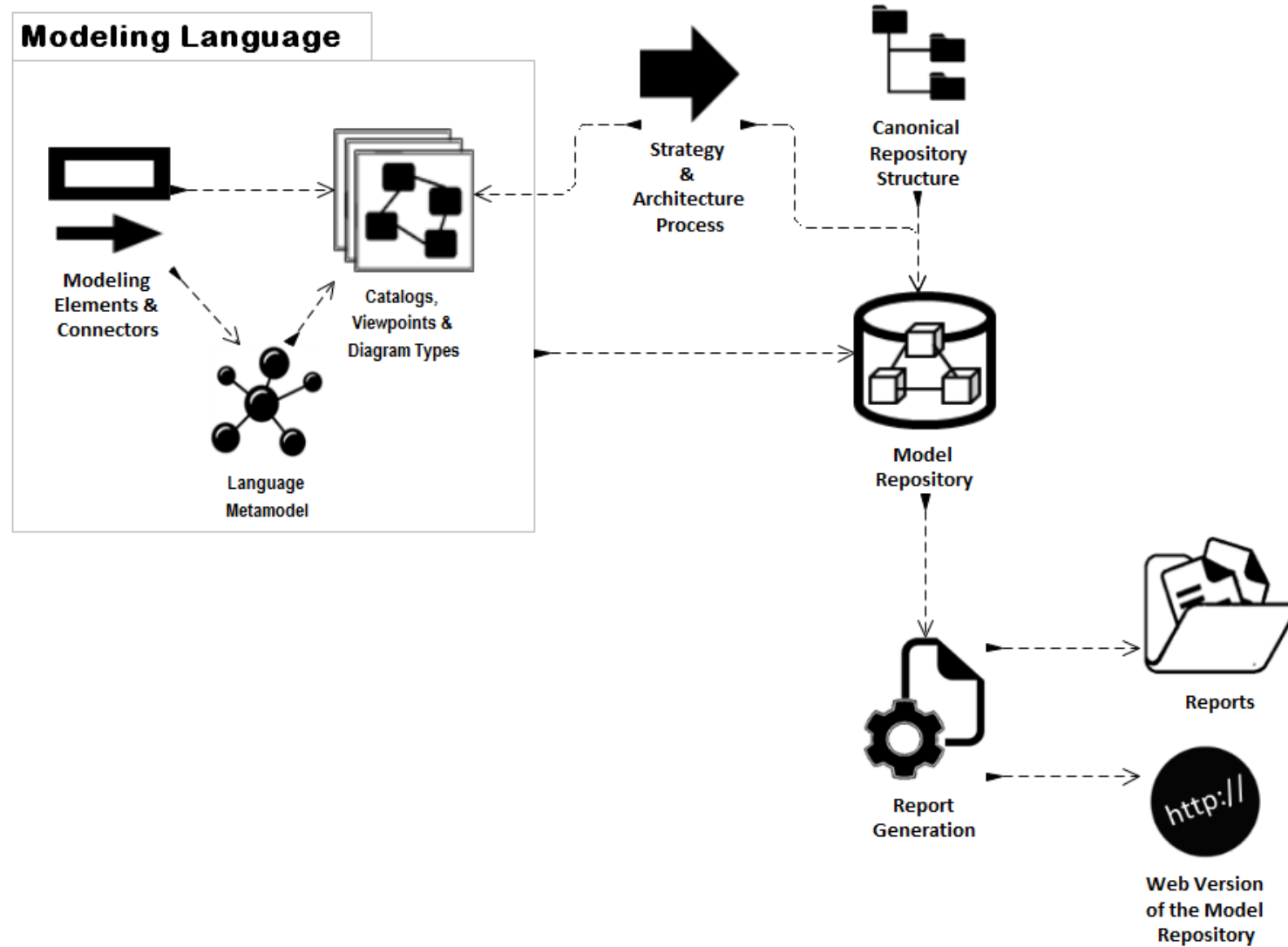
| | |
|--|-----------|
| | New |
| | Invest |
| | Maintain |
| | Phase Out |
| | ? |

This one is automatically generated

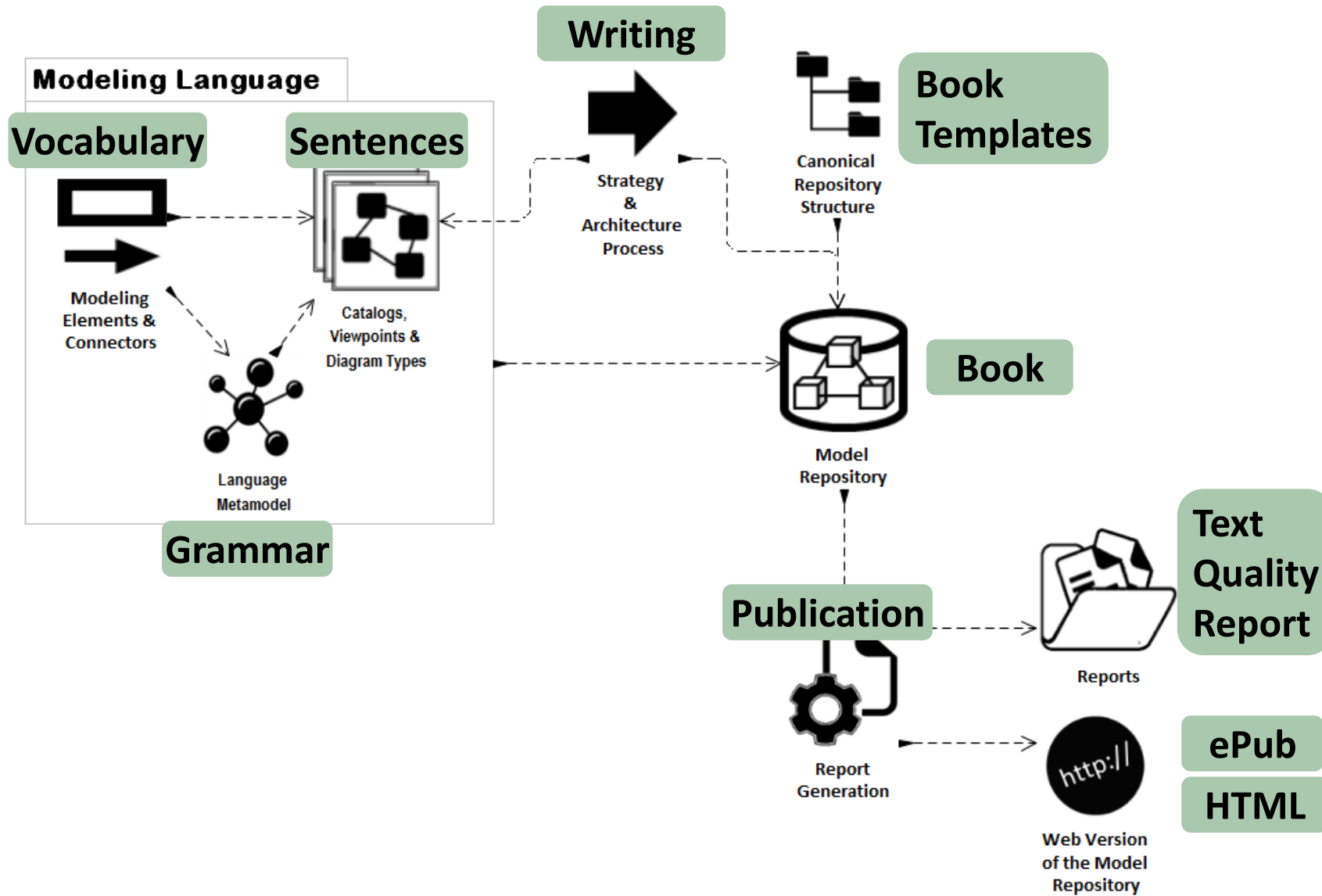
List of other Functional Area diagram(s) as hyperlink(s)

- [FUN B2C Sales](#)
- [BOW Sales Information Owners](#)
- [FAL B2C Sales](#)
- [HF B2C Sales](#)

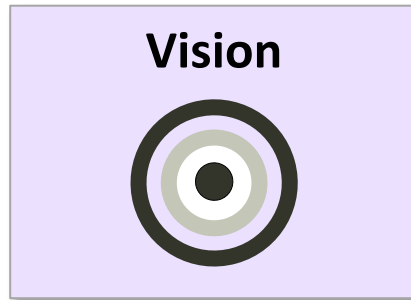
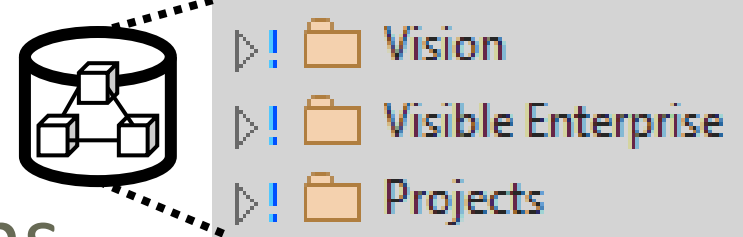
Creating strategy & architecture content...



... is like writing a book



The model repository is organized into 3 main sections...

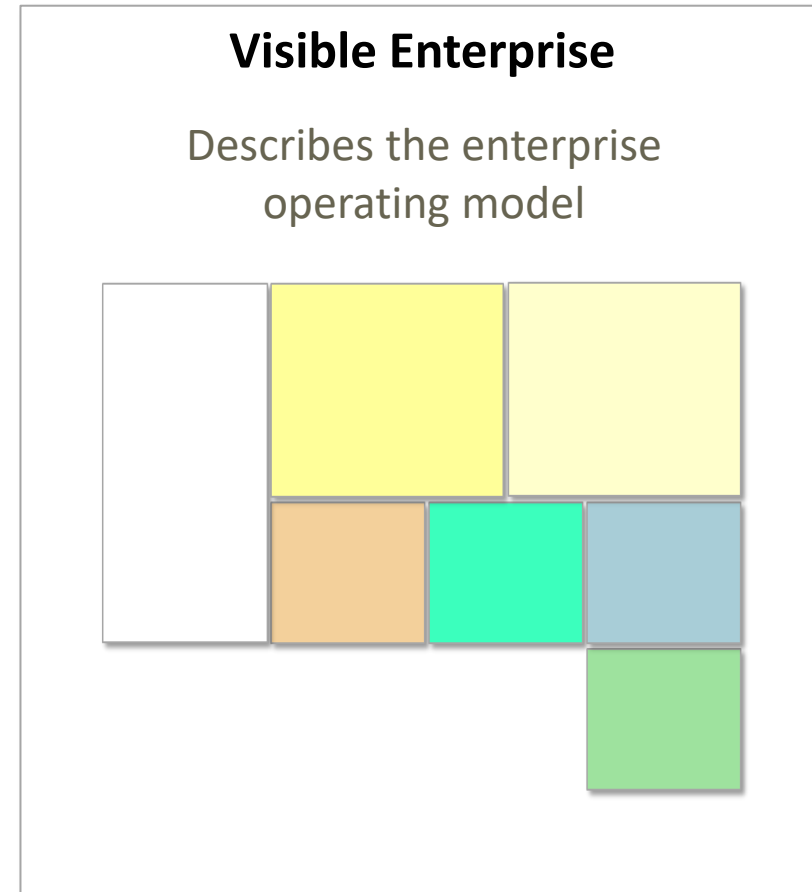


Changes to the enterprise are envisioned

↑ Projects/epics realize vision

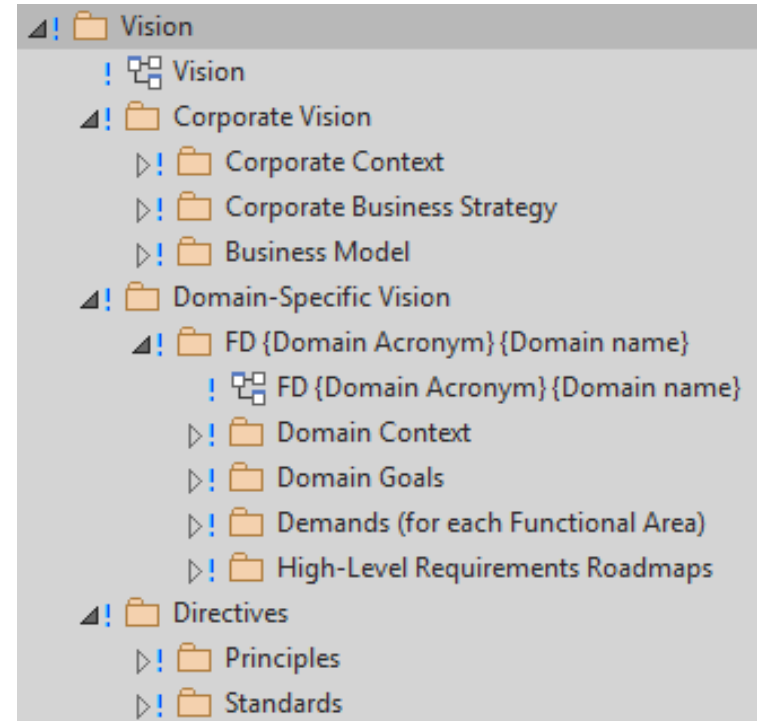


Projects/Epics change the enterprise following vision



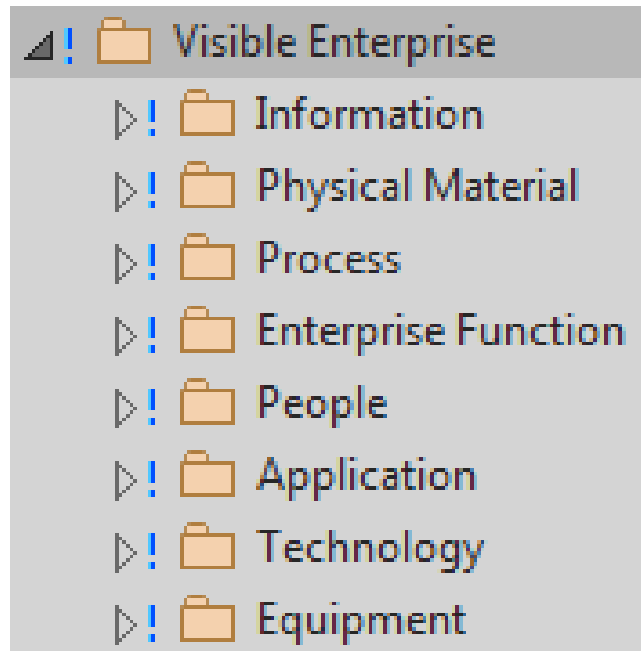
The **Vision** folder contains...

- The **Corporate Vision** describing the internal and external context, the corporate objectives and the business model
- The **Domain-Specific Vision** describing how the Corporate Vision cascades into functional domains in terms of goals, demands and target capabilities roadmaps
- **Directives** i.e. Principles and Standards

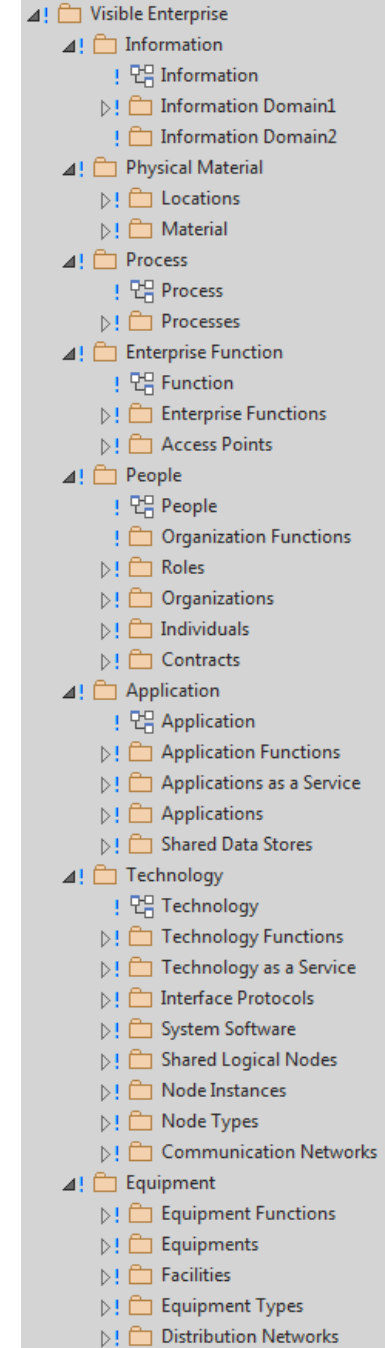


The Visible Enterprise Description folder contains...

- A set of architecture **portfolios**, each describing the enterprise following a specific perspective

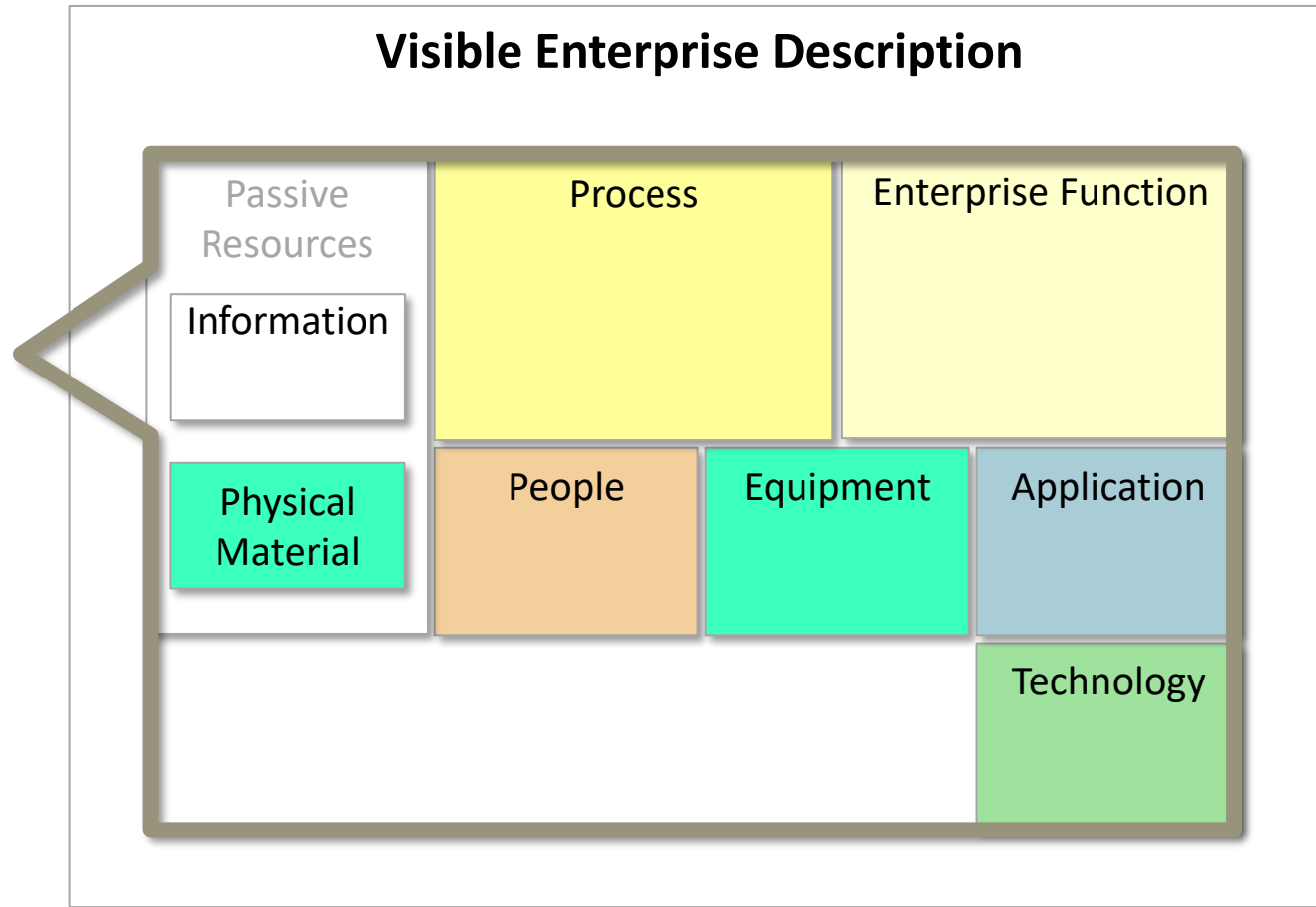


- Each portfolio in turn contains **catalogs** that contain elements and views =>



The Visible Enterprise Portfolios folders represent architecture perspectives

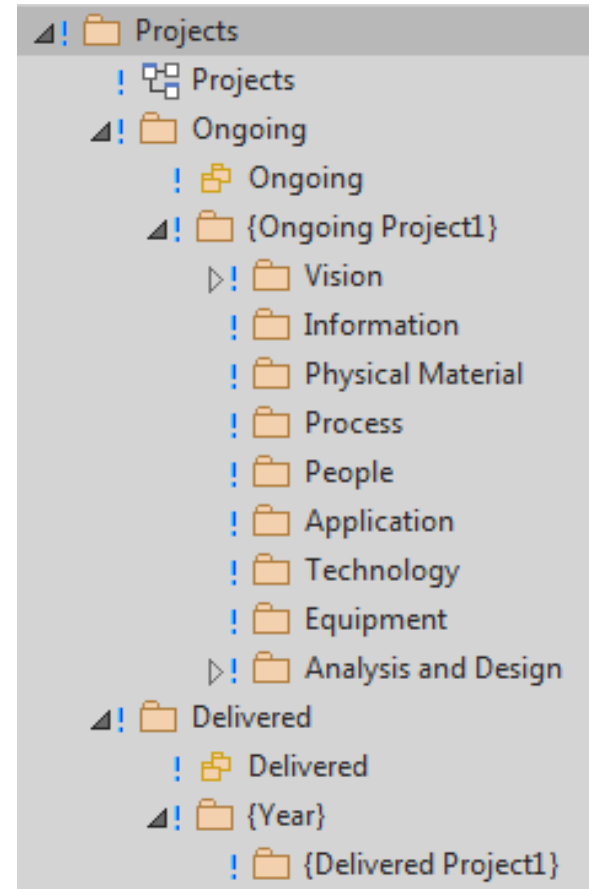
Architecture Perspectives



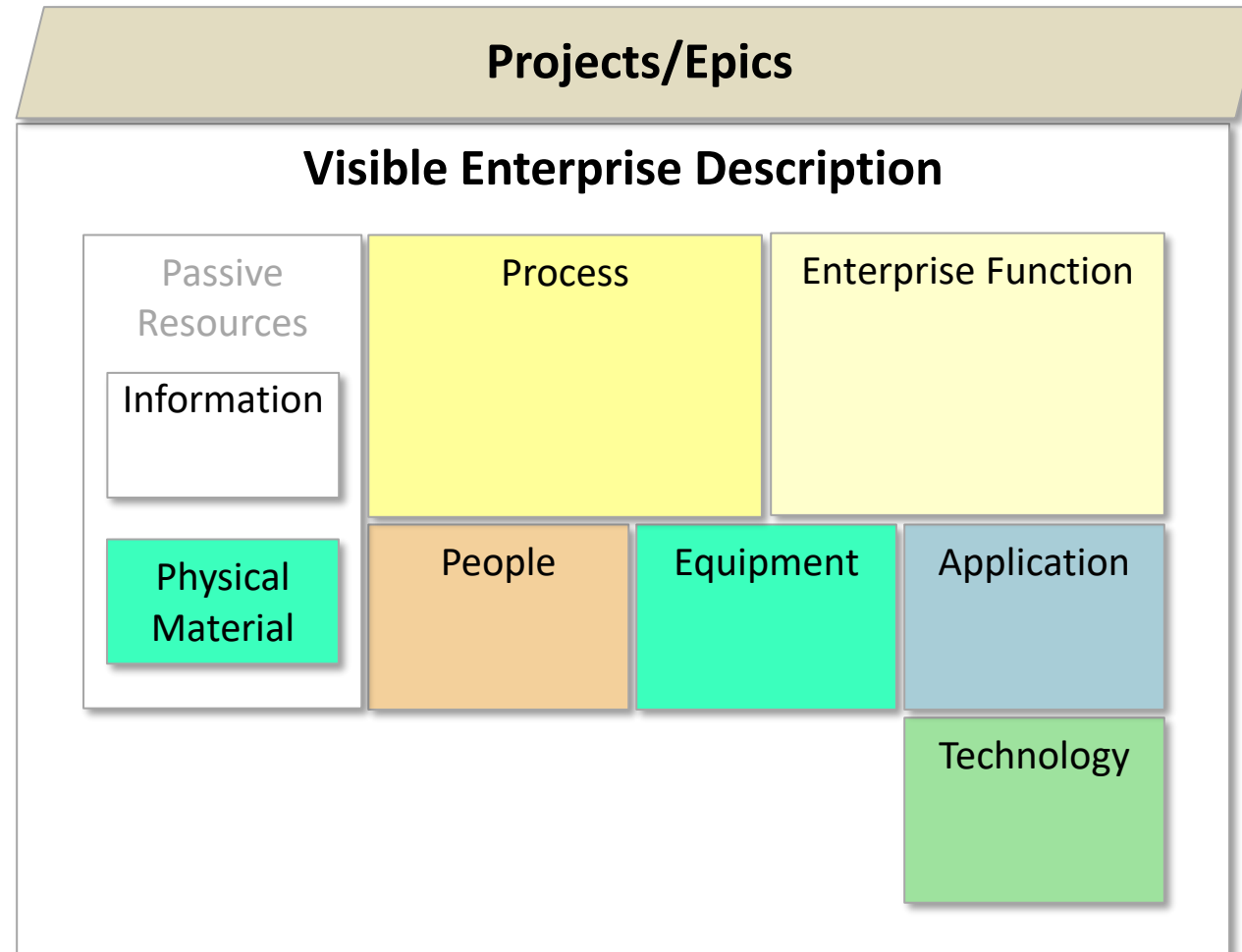
The **Projects** folder contains...

- Proposed and ongoing changes to the enterprise architecture models

The folder structure is similar to the structure of portfolios that are used to describe the enterprise as a whole

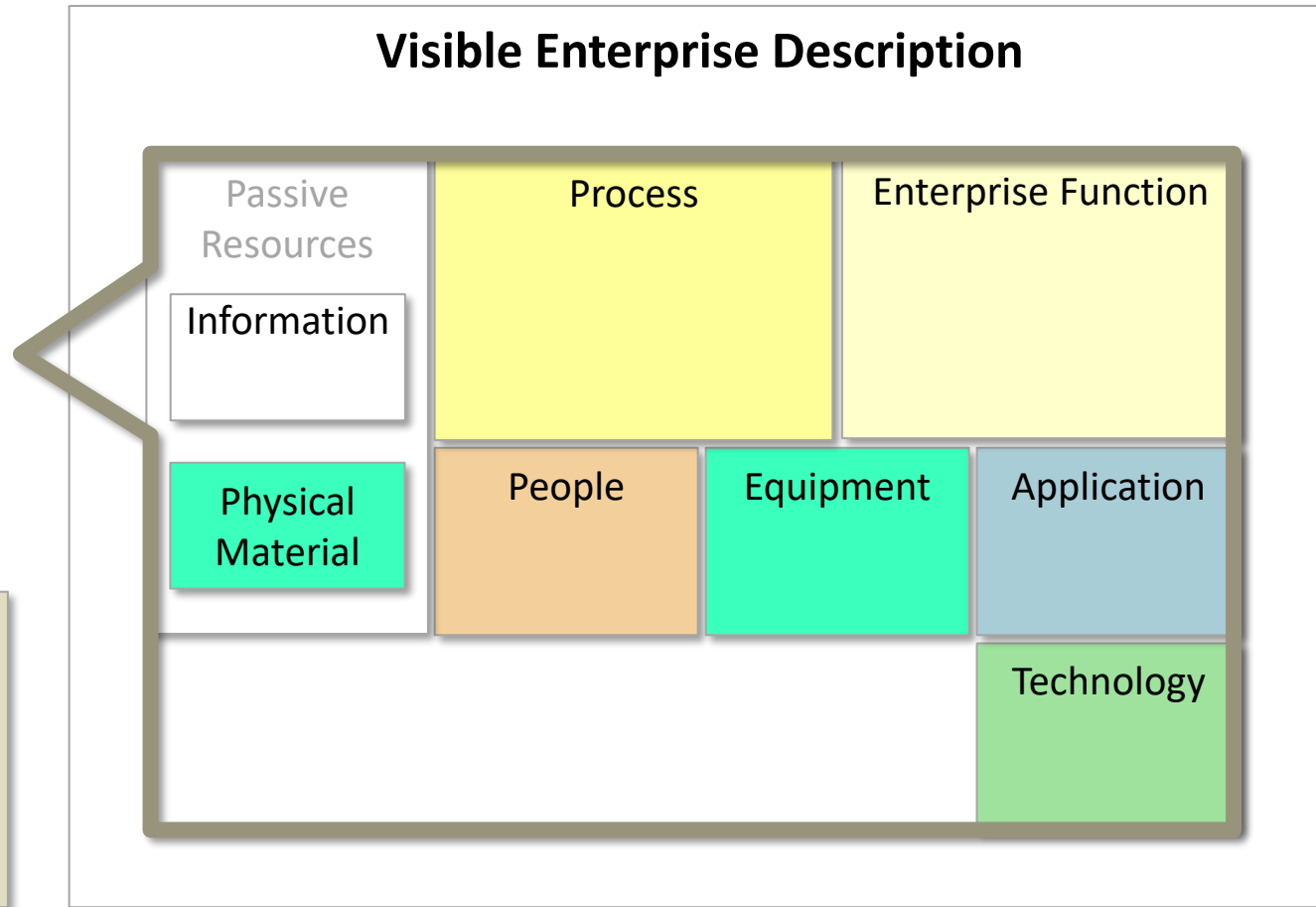
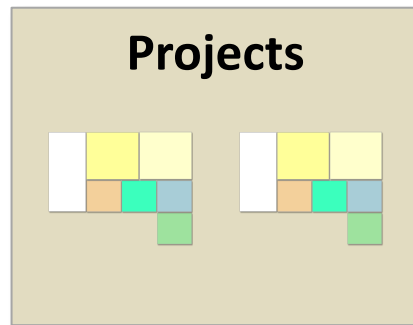


Project architecture work changes the content of the visible enterprise description

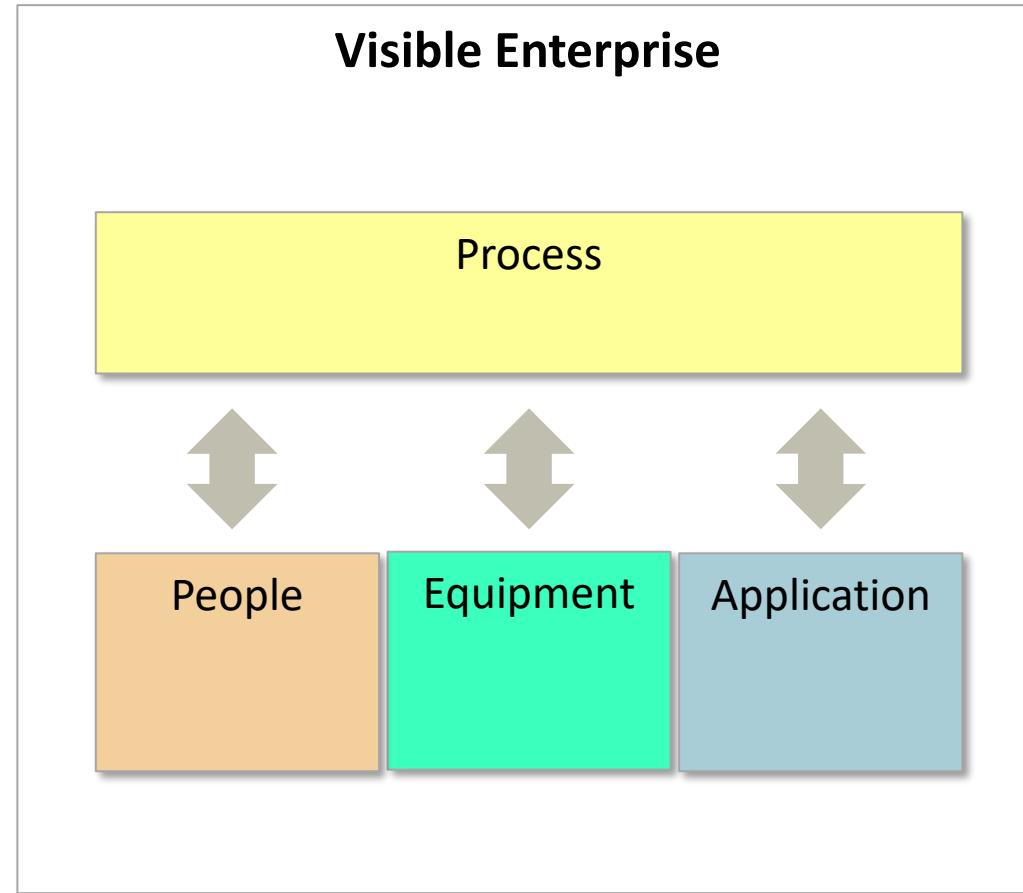


What do these architecture perspectives mean?

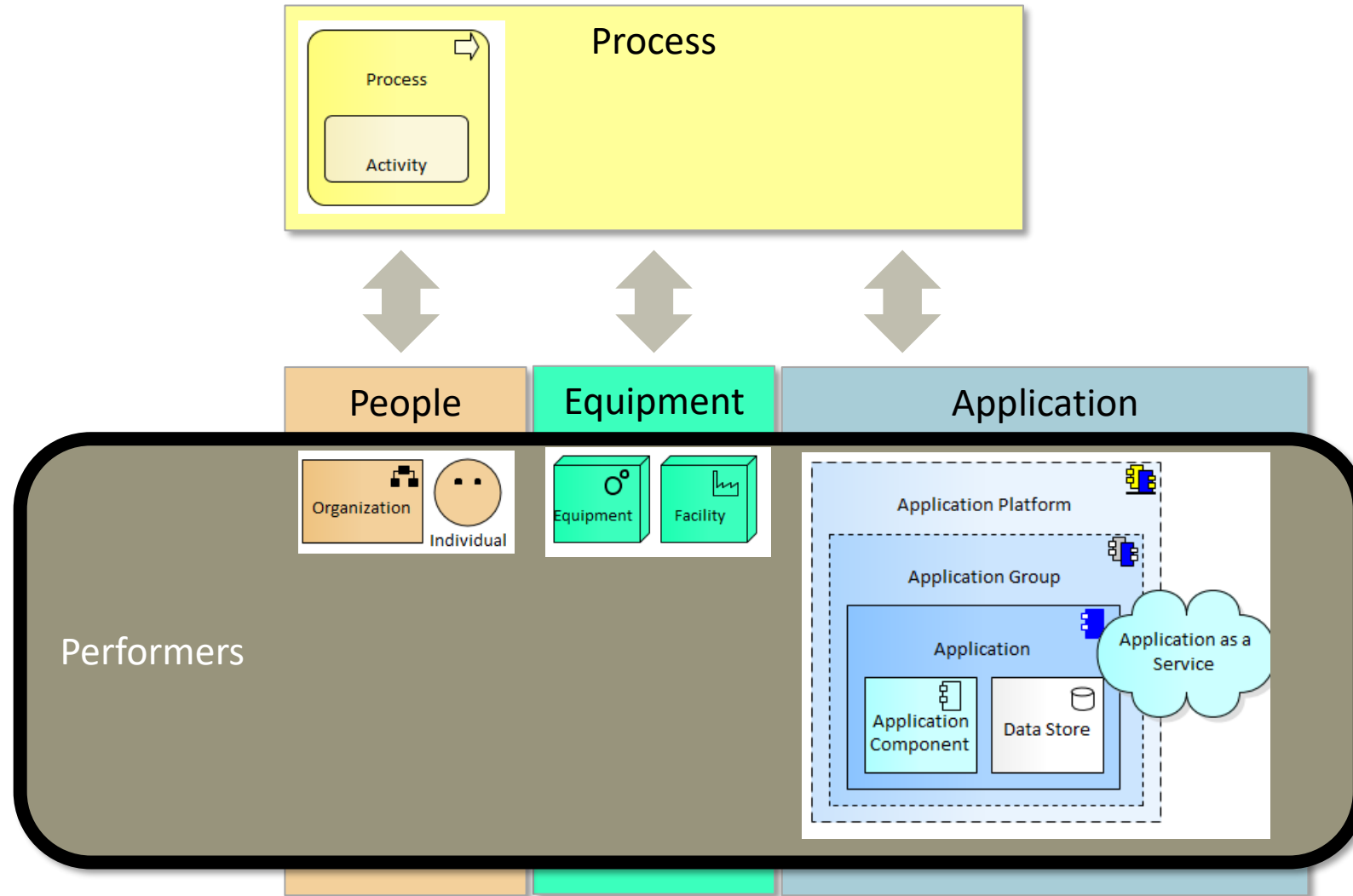
Architecture Perspectives



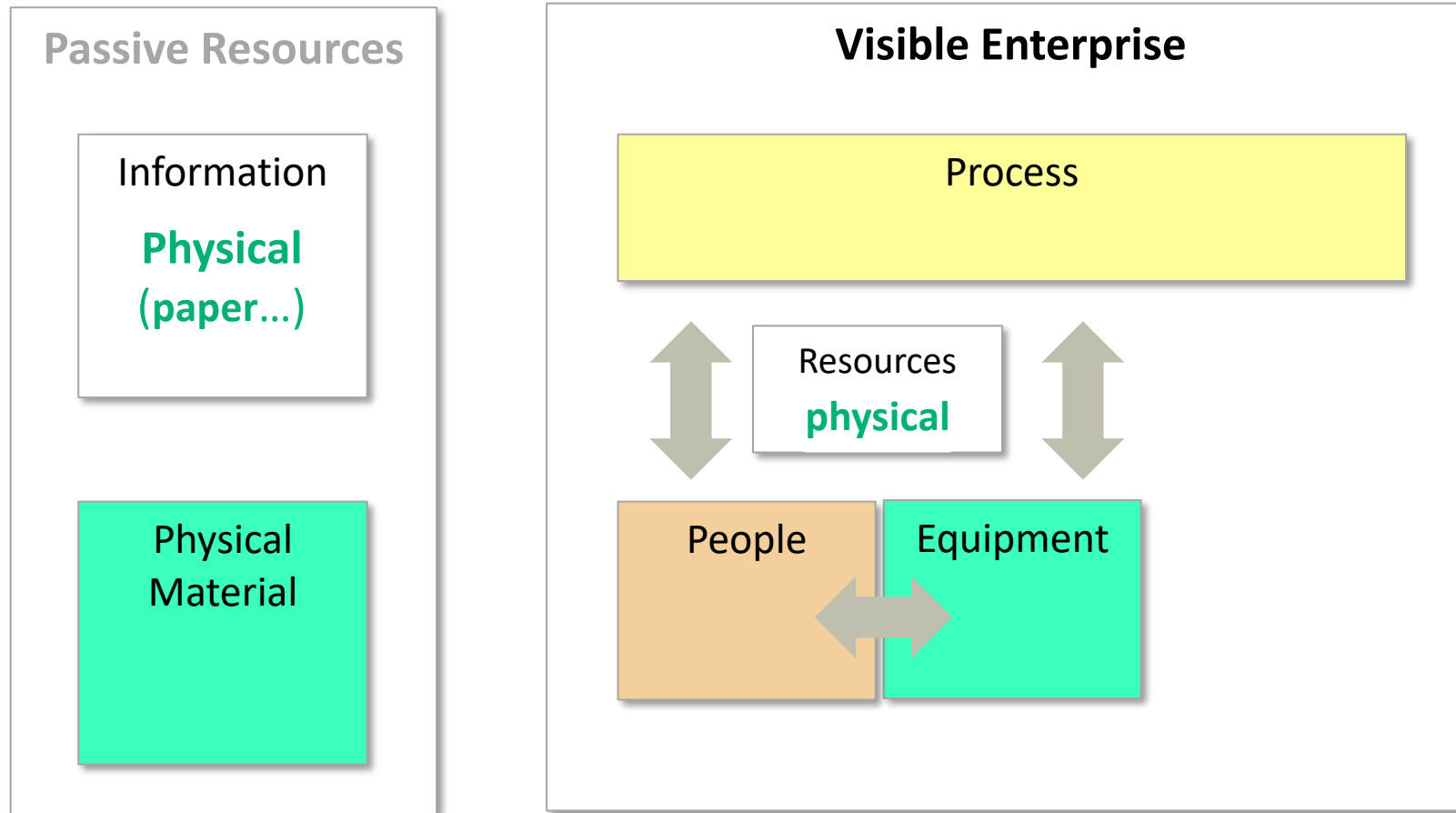
Processes are performed by people, applications and physical equipment in order to achieve some goals



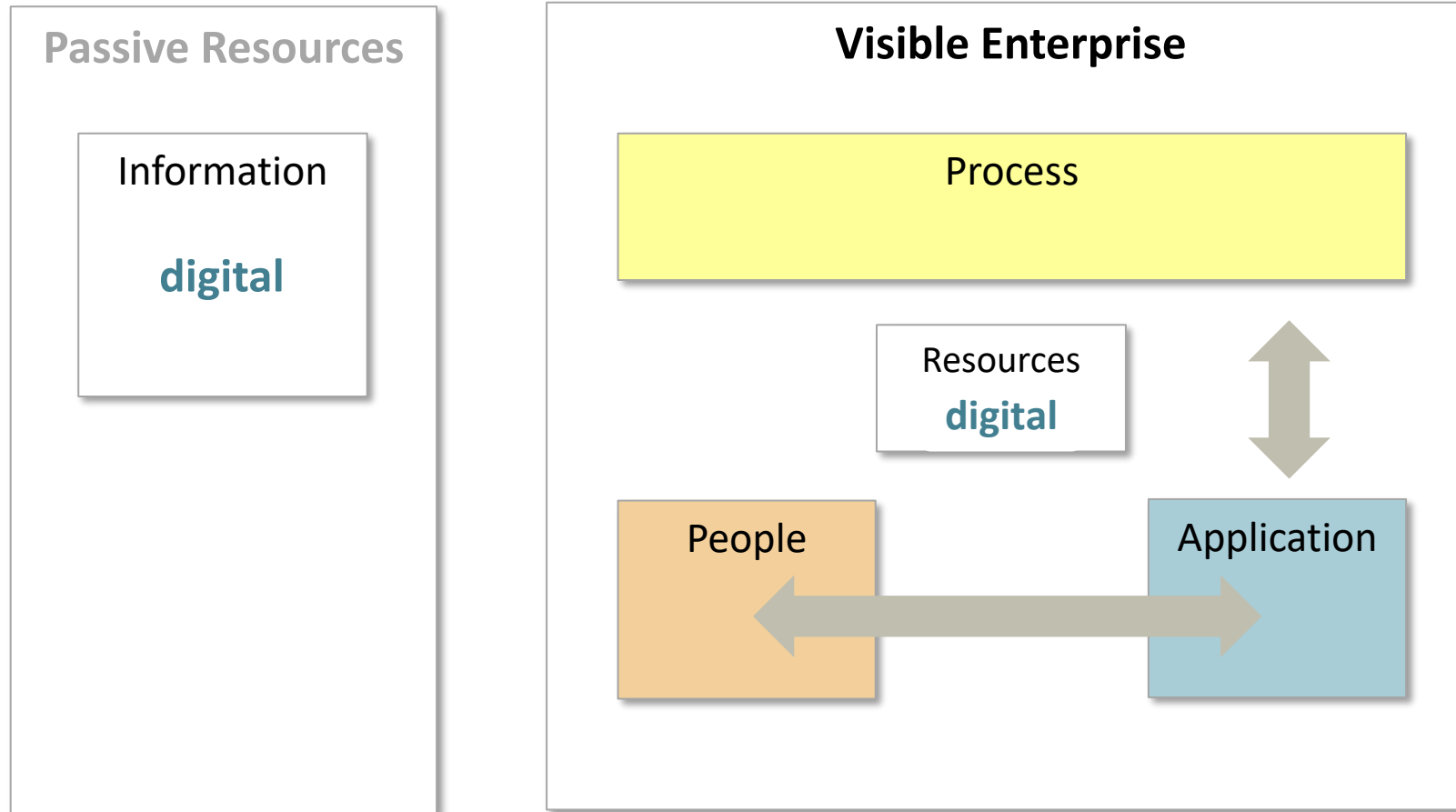
Processes are performed by people, applications and physical equipment in order to achieve some goals



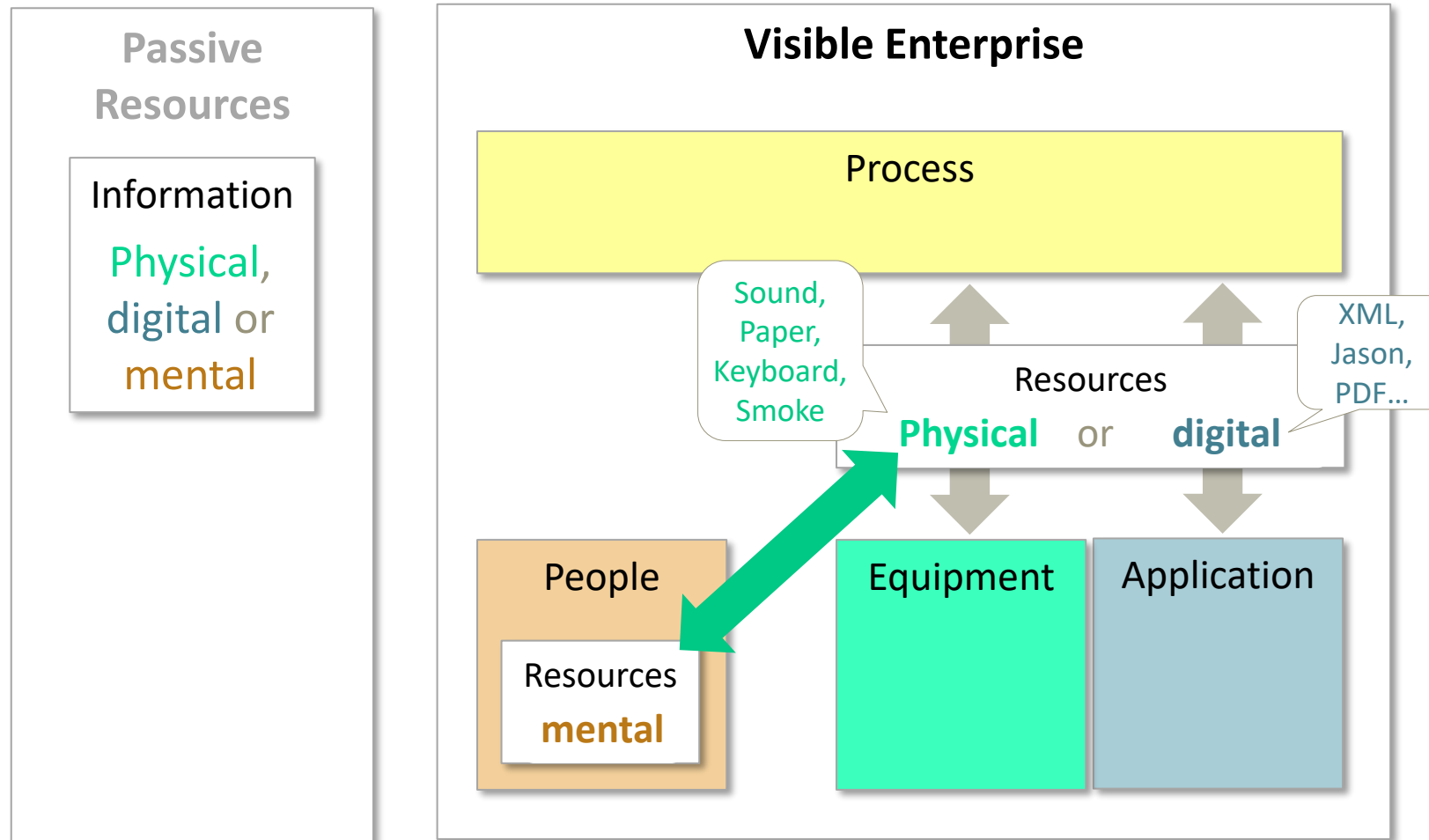
A process can use and produce **physical** resources



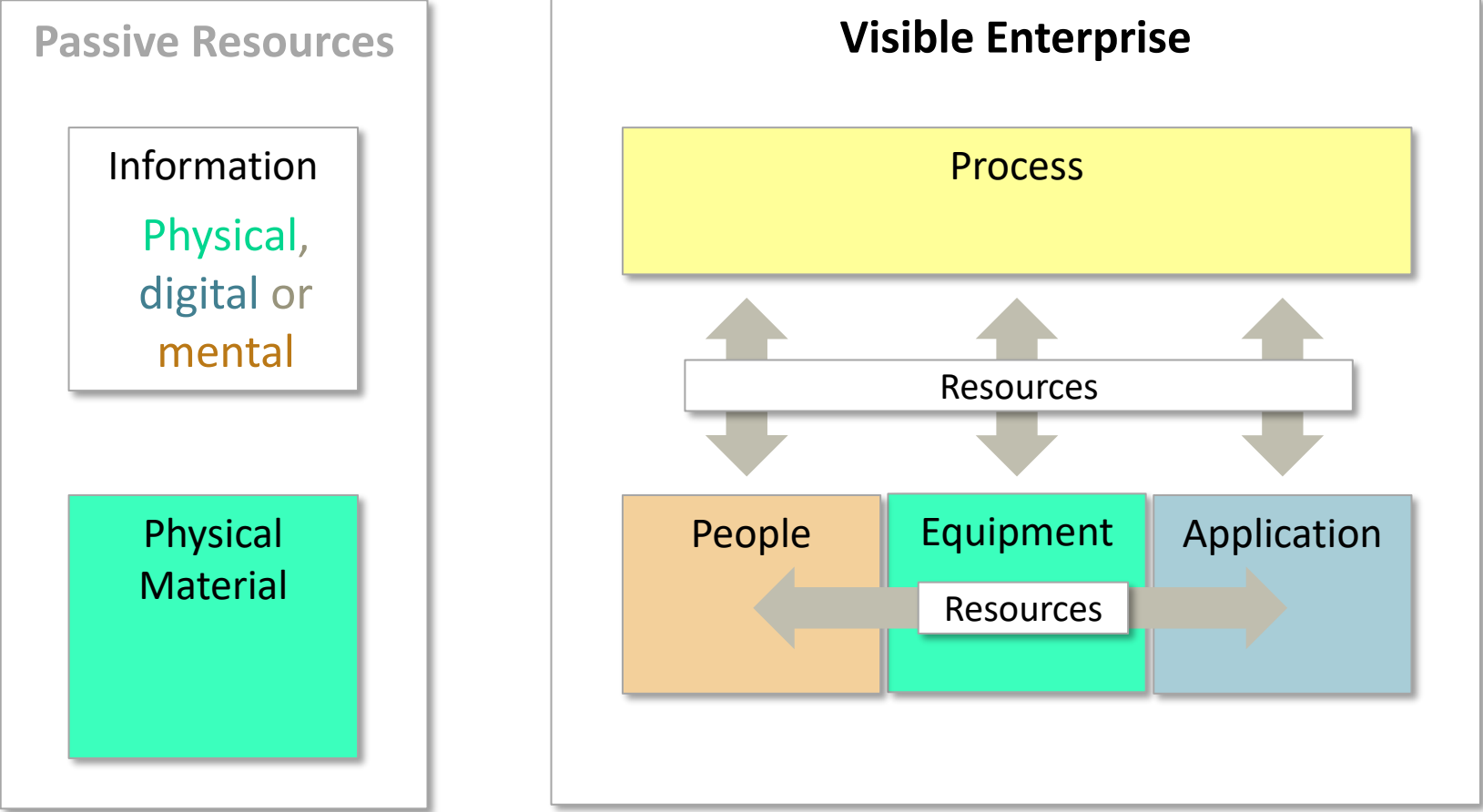
A process can use and produce **digital** resources



People exchange **mental** resources (knowledge) that they therefore need to make physical

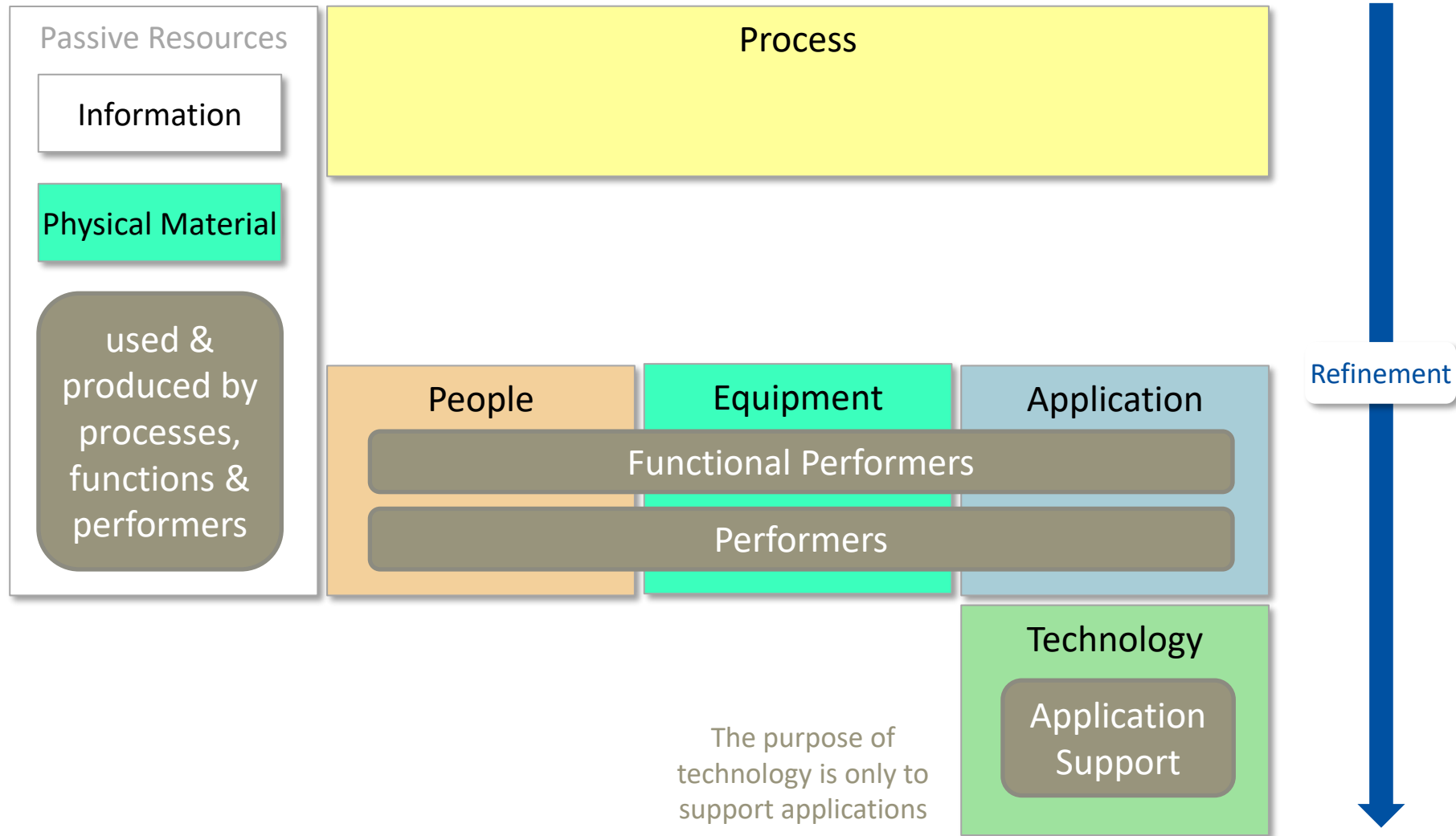


Processes orchestrate exchanges of digital, physical and mental resources



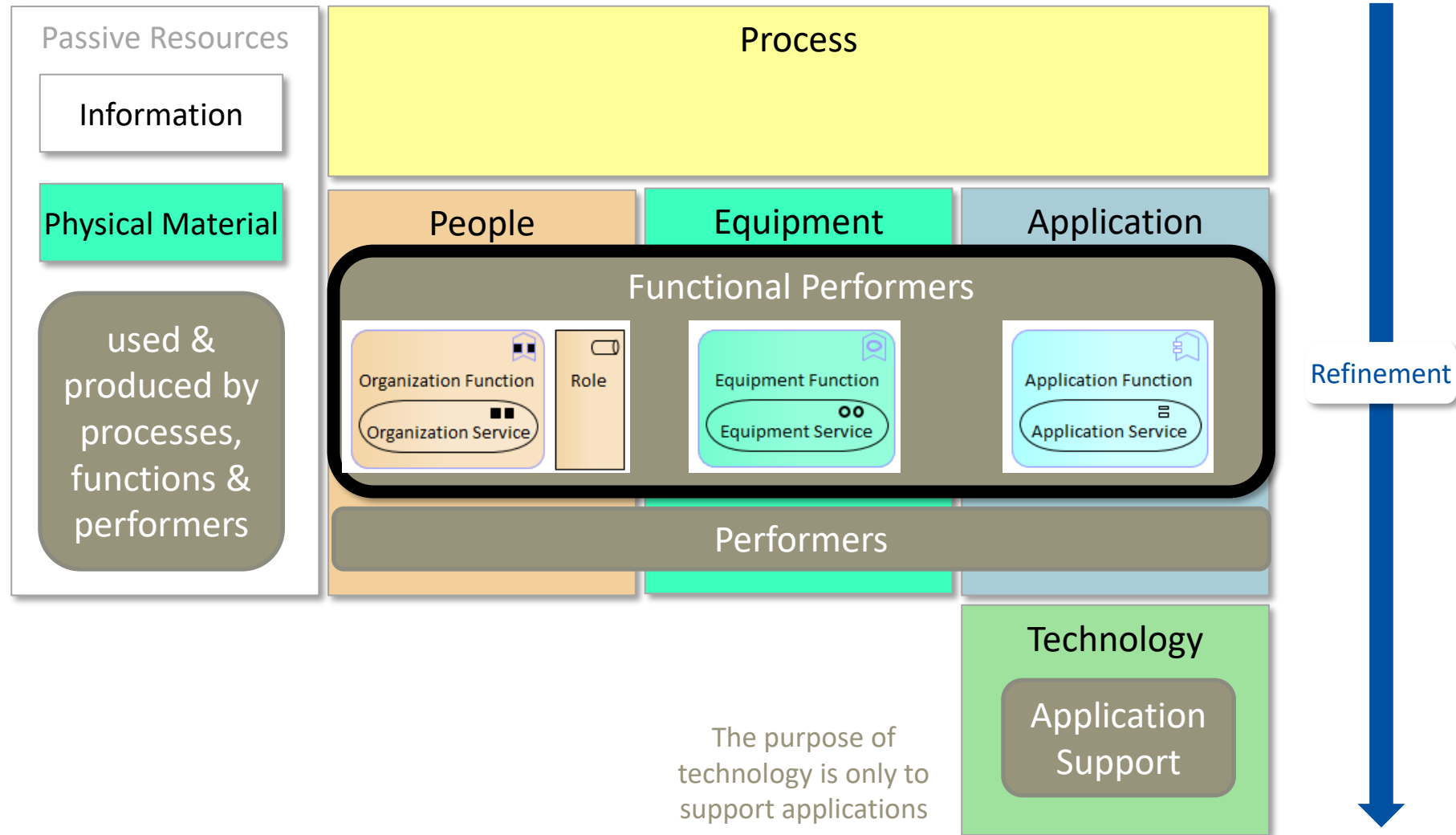
For a new solution...

before deciding which existing or new performers will be involved, it is better to first consider their functions

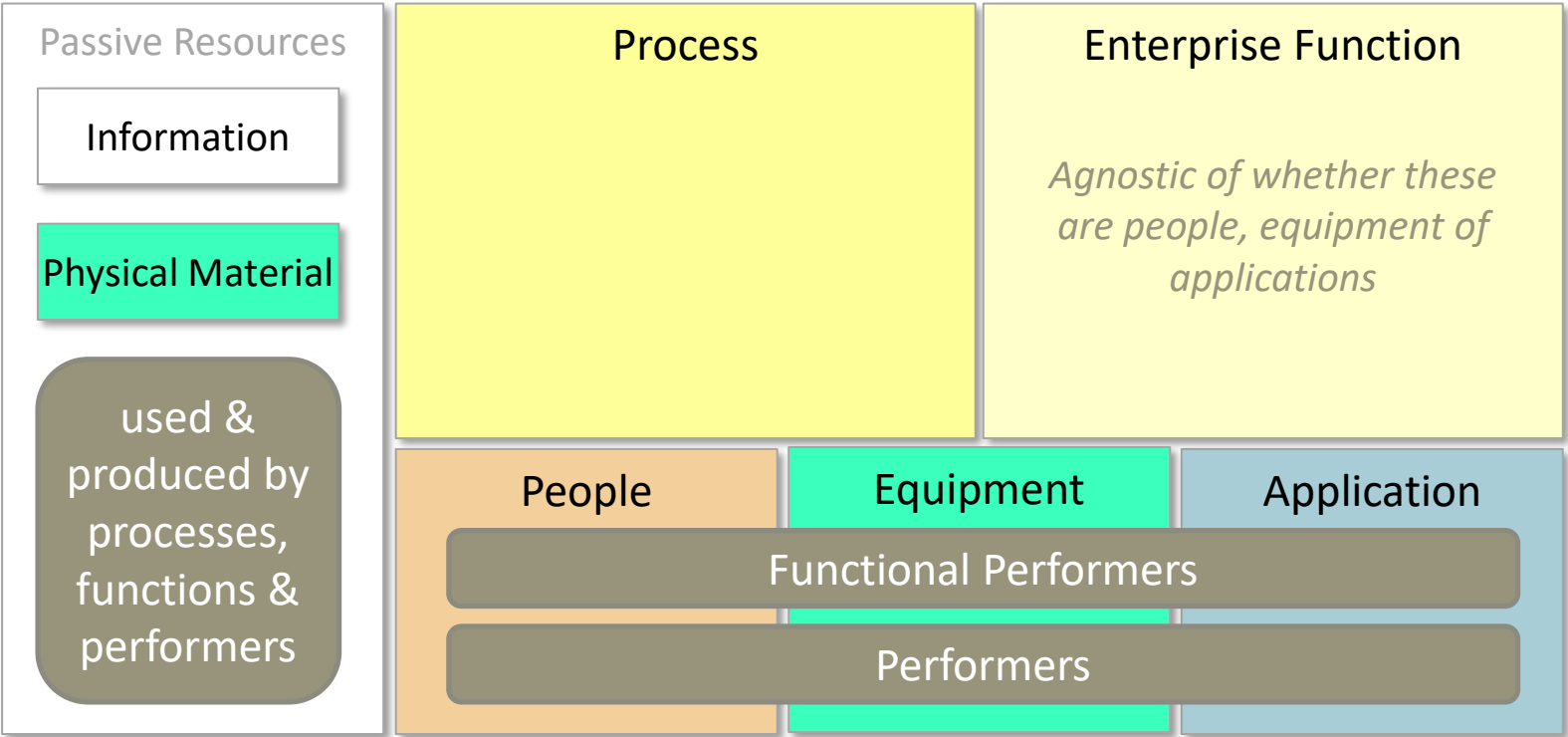


For a new solution...

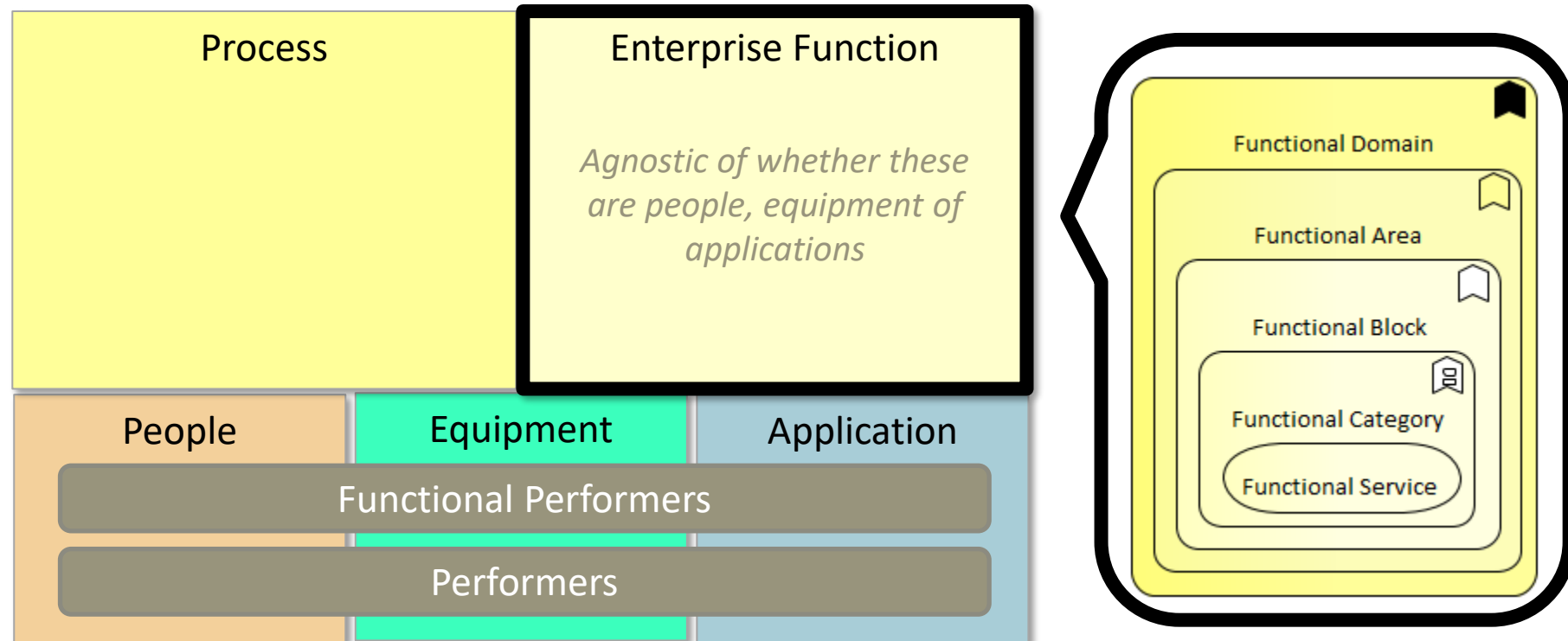
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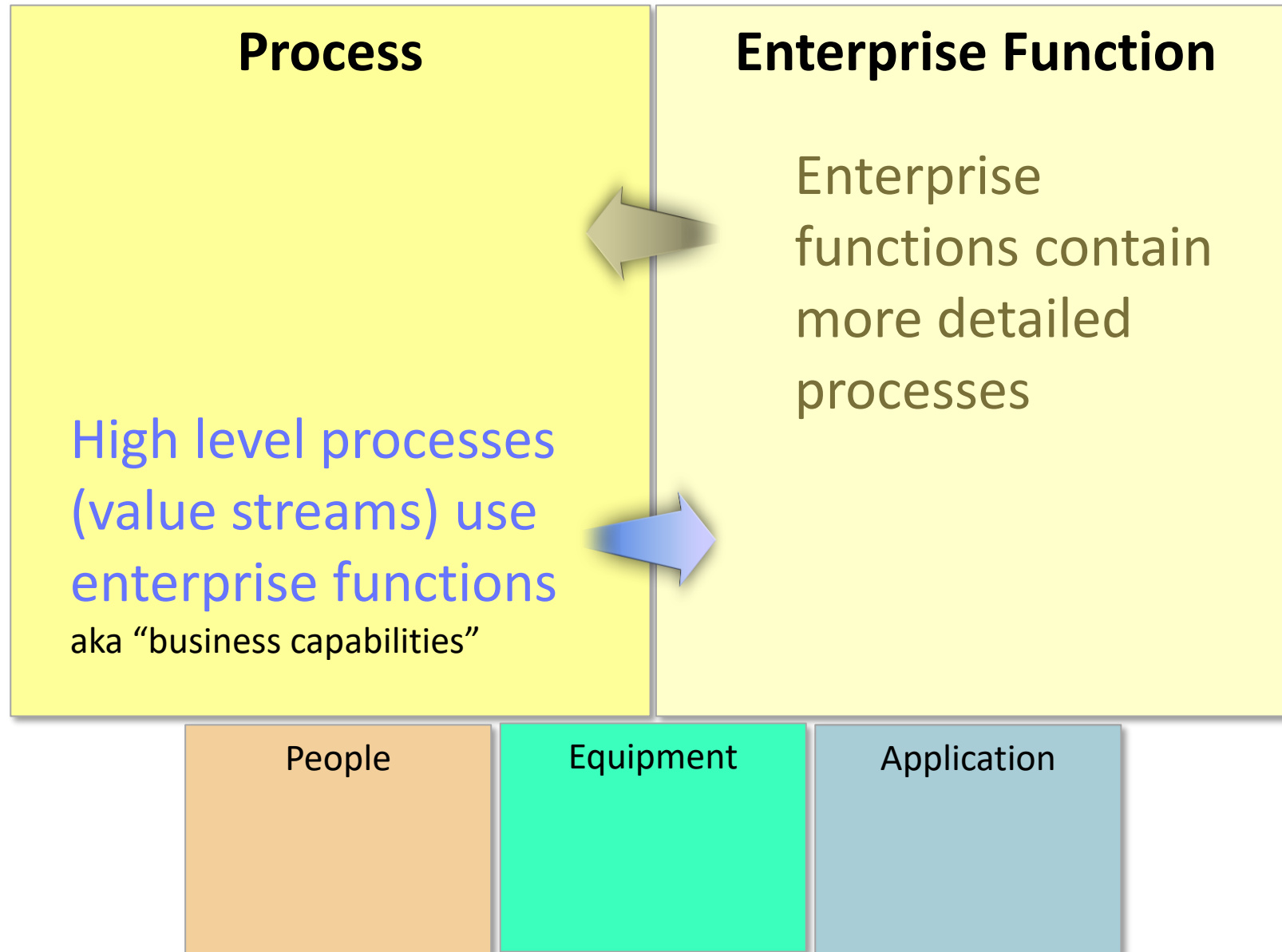


Enterprise functions are agnostic about whether they are human, physical or digital

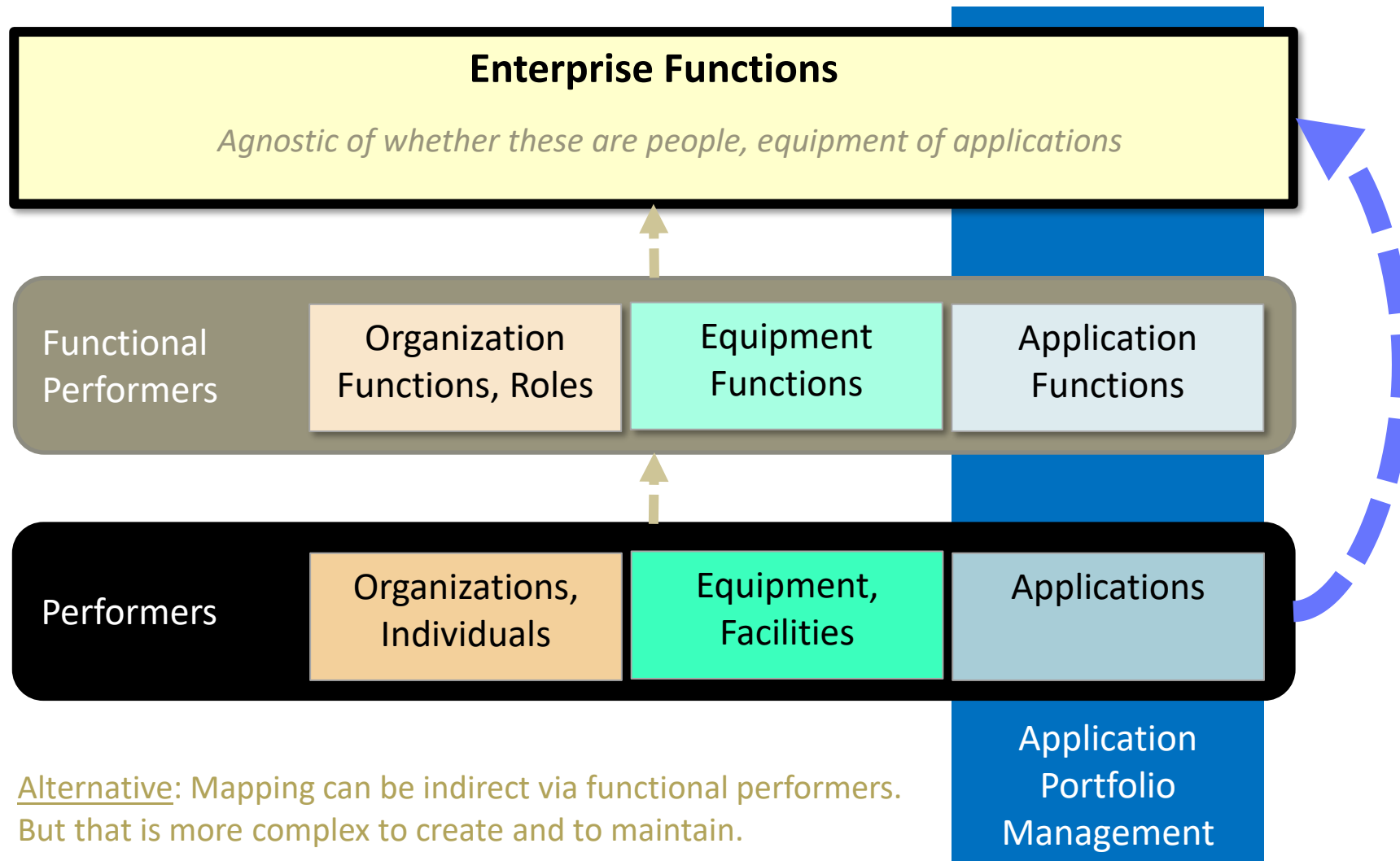


Enterprise functions are agnostic about whether they are human, physical or digital



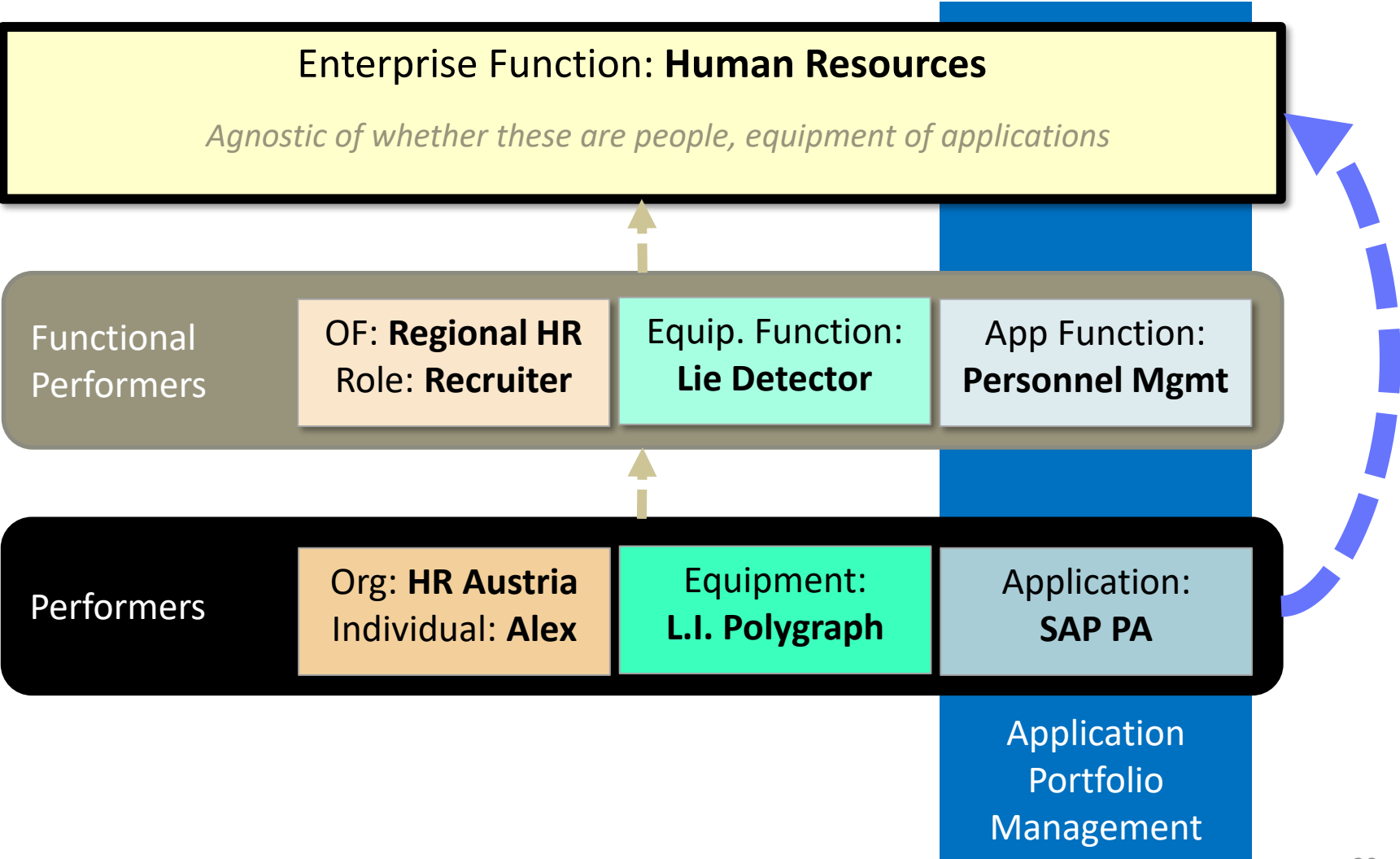


For managing the portfolios of performers (e.g. applications)...
performers are **mapped to** enterprise functions



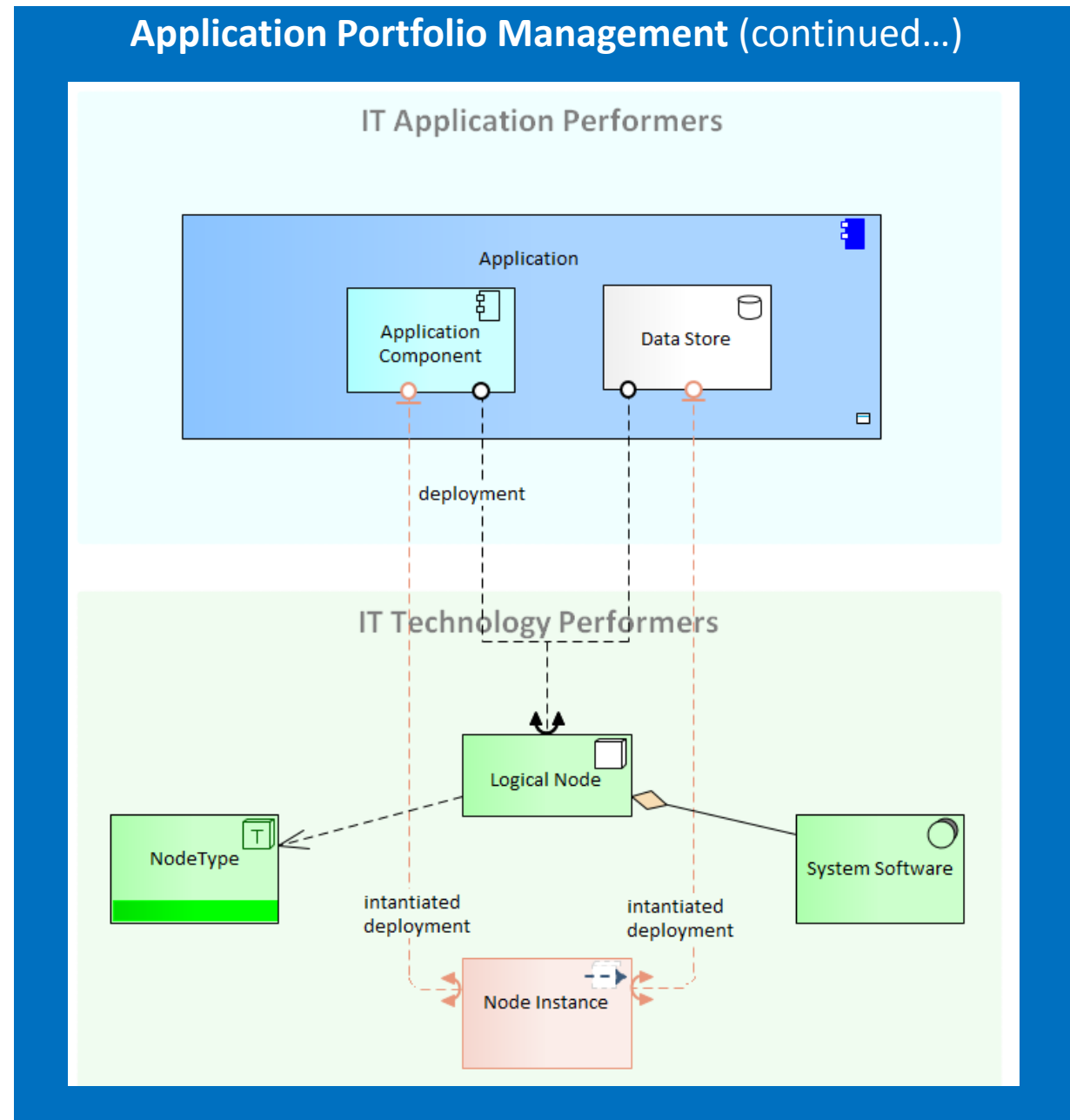
Performers are mapped to enterprise functions

Example:



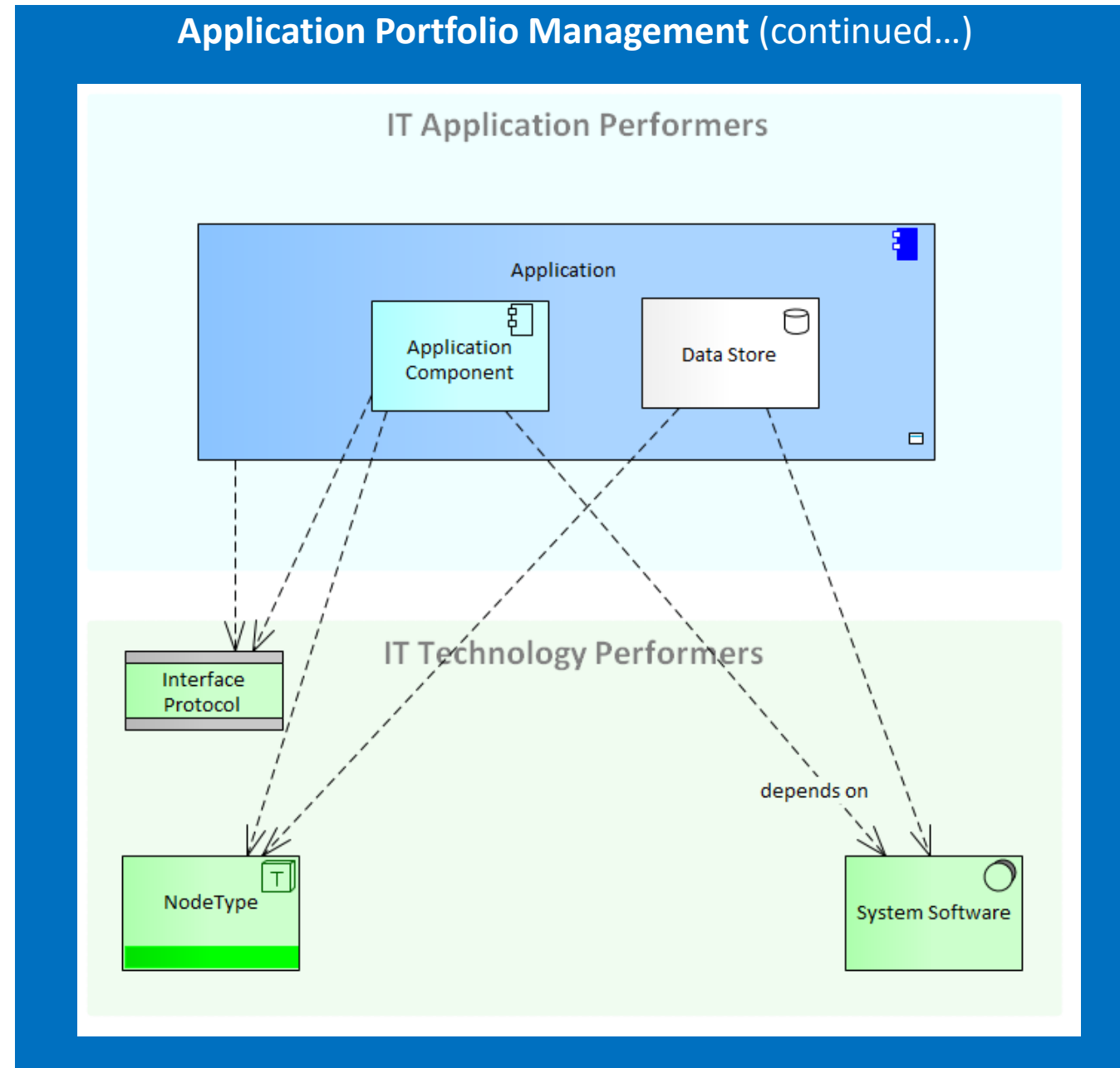
For application portfolio management and project architecture...

Application components and data stores are also mapped to **the servers on which they are deployed at least during projects**



For application portfolio management, specifically...

Application components and data stores are mapped to **the technology they use** at least during projects



Architecture plateaus describe the subsequent states of the enterprise

To-be
Transition
As-is

To-be

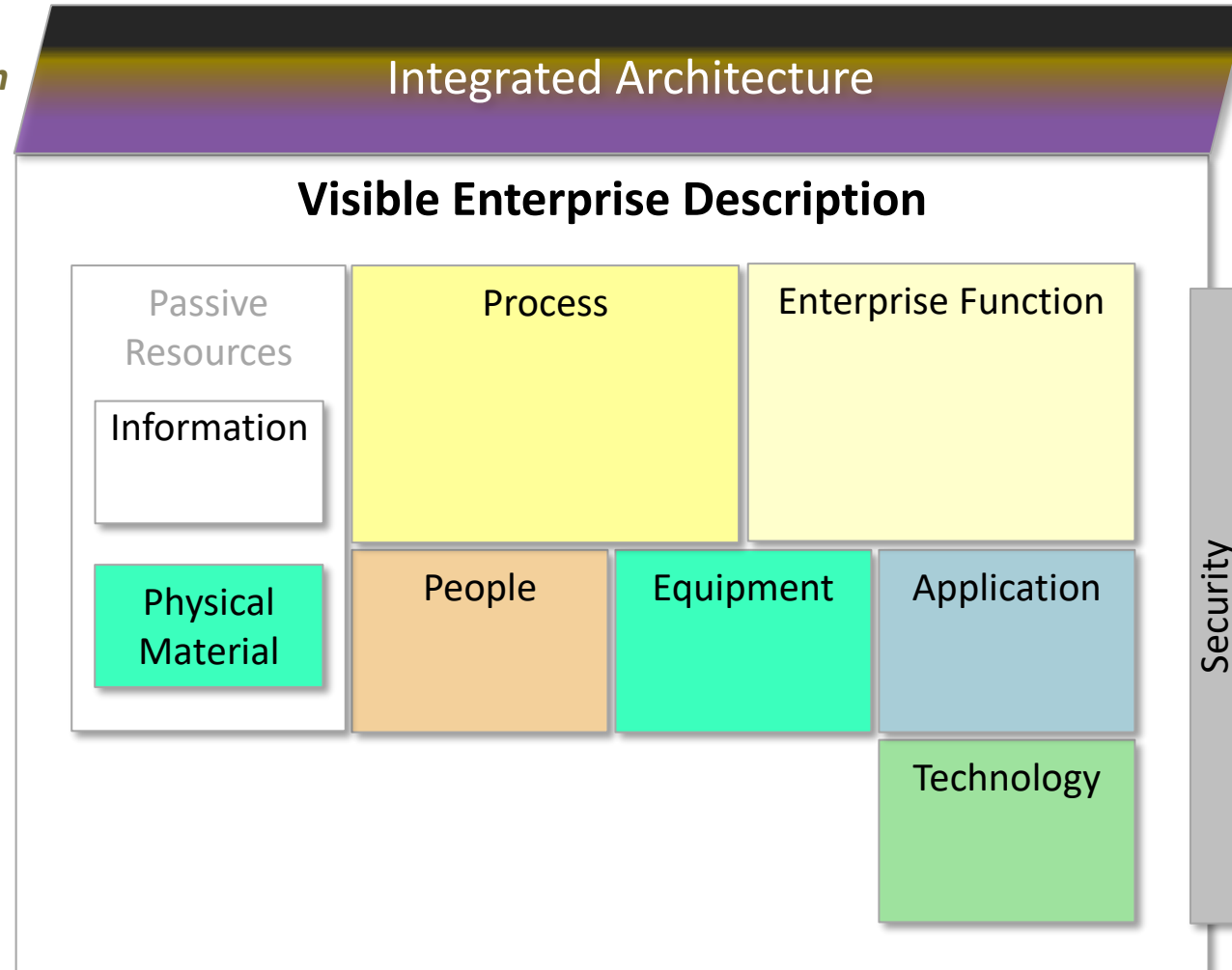
- Target/desired state
e.g. standard applications

Transition

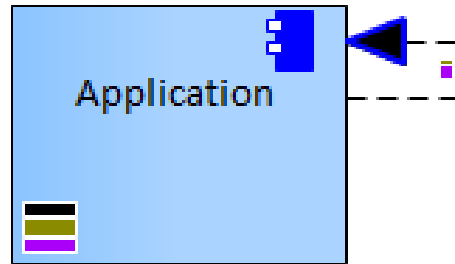
- Intermediate state.
There is or there will be changes that are not necessarily the target state

As-is

- How things are today
e.g. application currently deployed in production



Architecture plateaus describe subsequent states



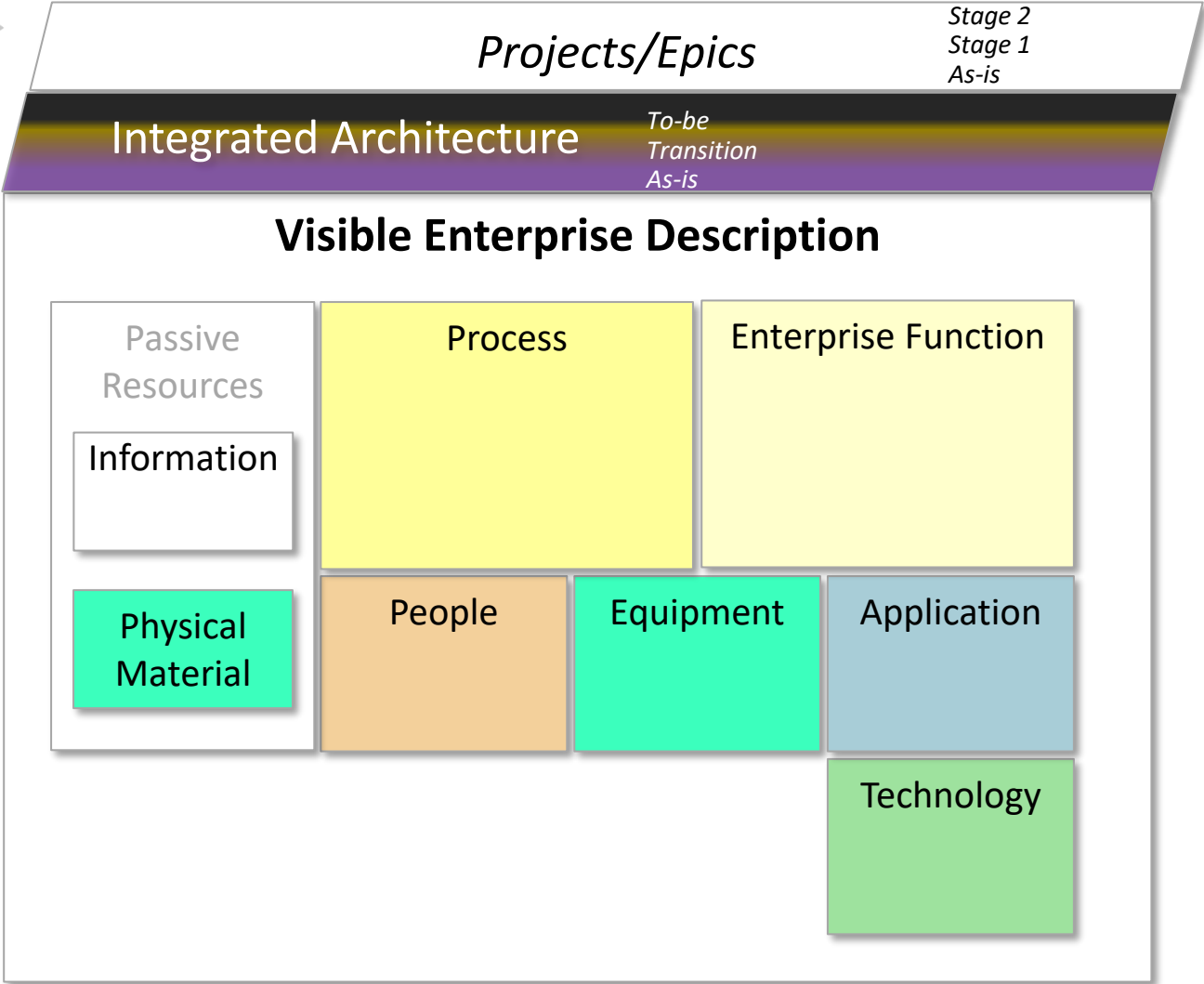
An element or connector

- might be the target standard (**TO-BE**)
- might exist in some transitional future (**TRANSITION**)
- might exist today (**AS-IS**)

A view/diagram can focus on a specific plateau (automatic)

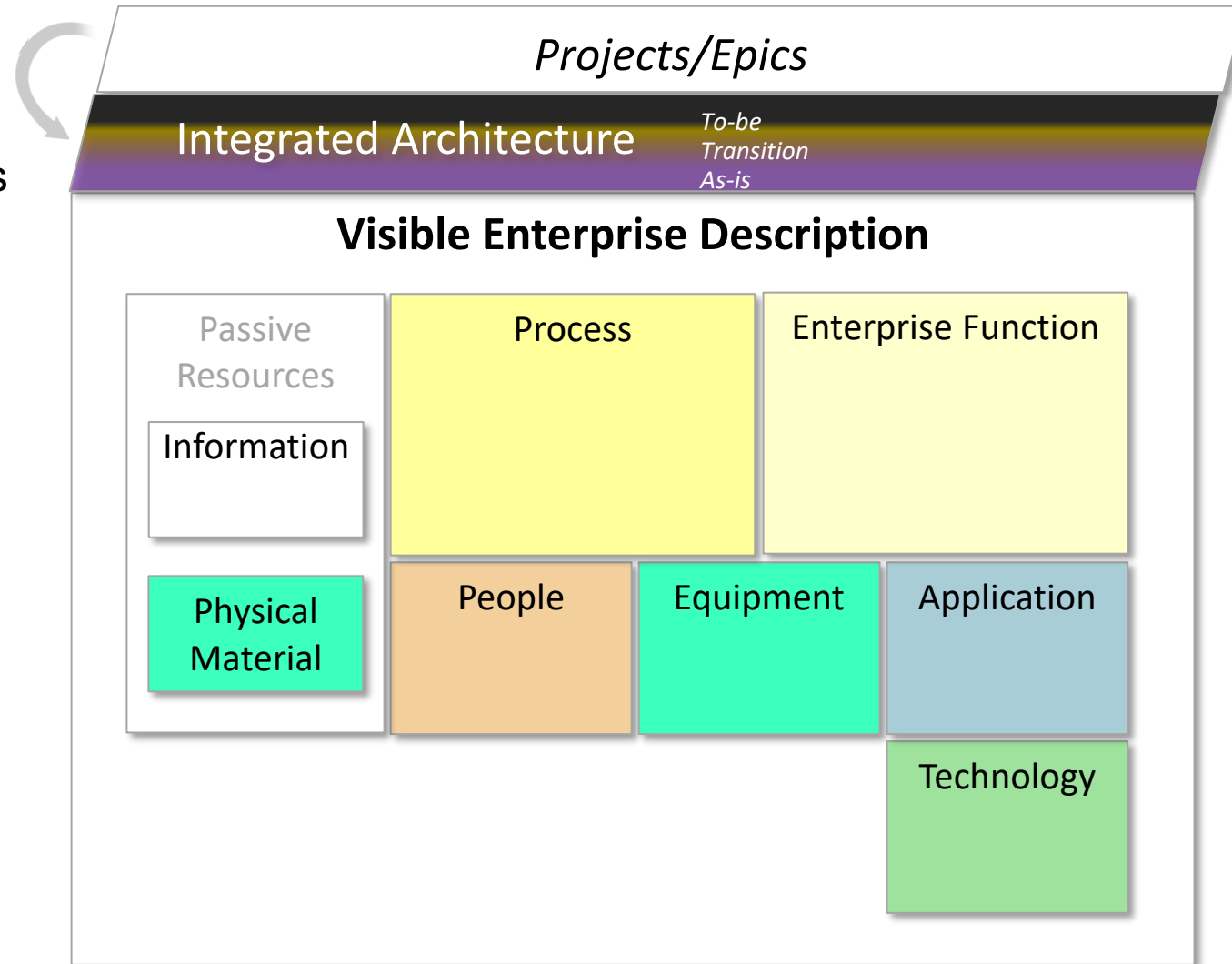
Solution architecture (in projects) describes changes to the enterprise operating platform

Re-use
Elements, connectors and views are re-used from shared catalogs



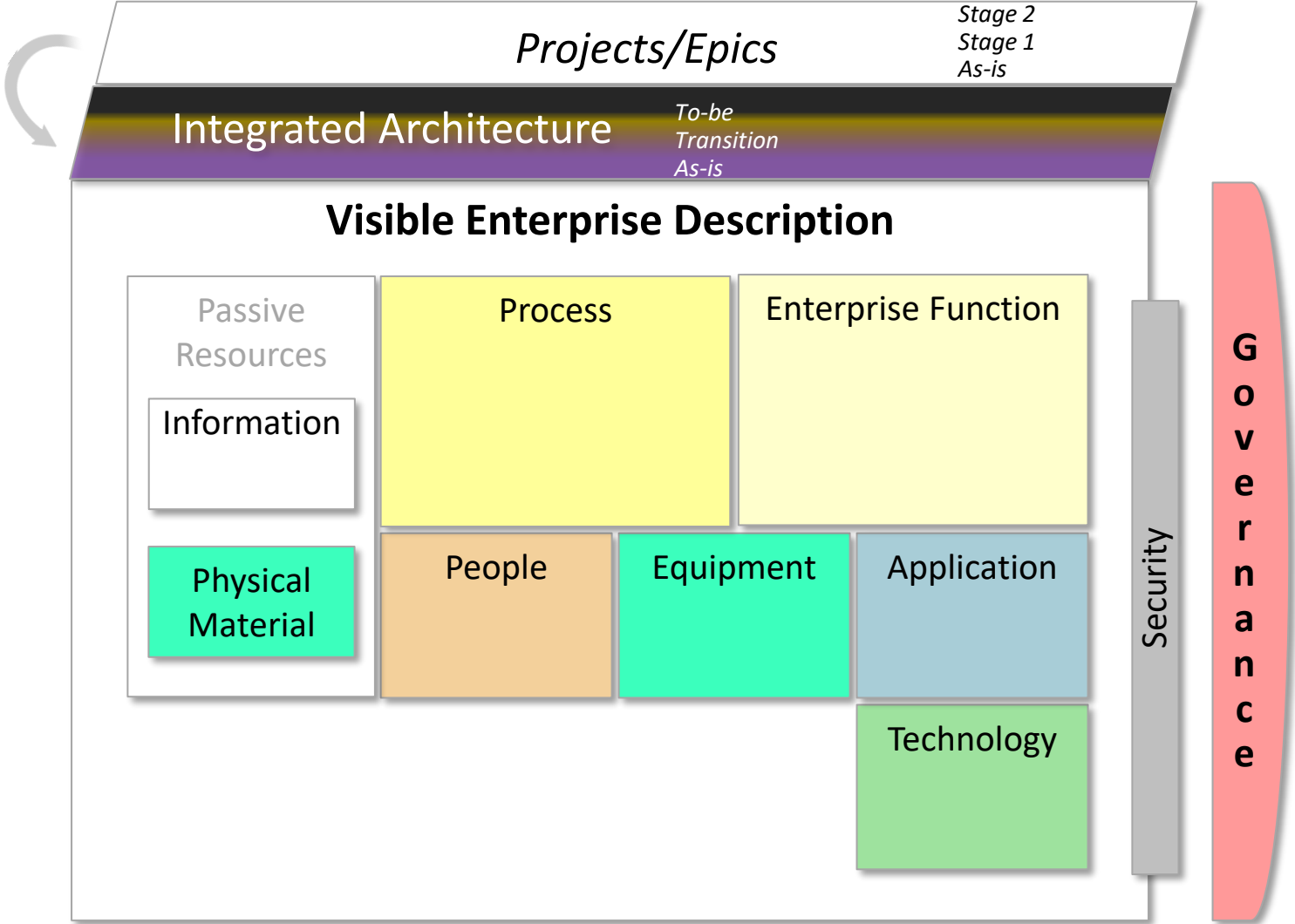
Transition and to-be architecture reflect approved solutions.
As-is architecture is updated when the solution has been deployed

**Envision then
integrate changes
during projects/epics**



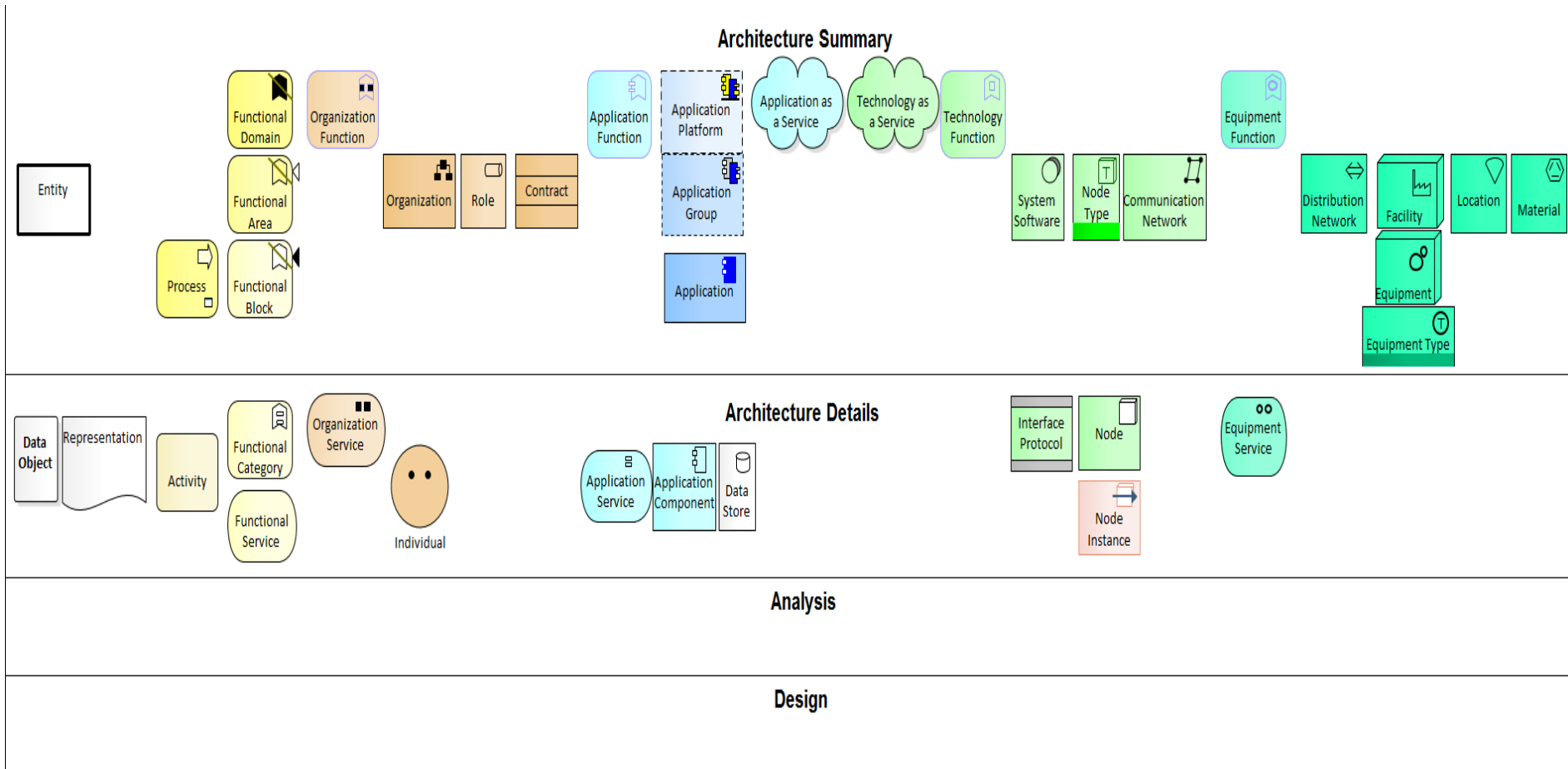
Architecture changes are controlled by governance structures

Envision then integrate changes during projects/epics

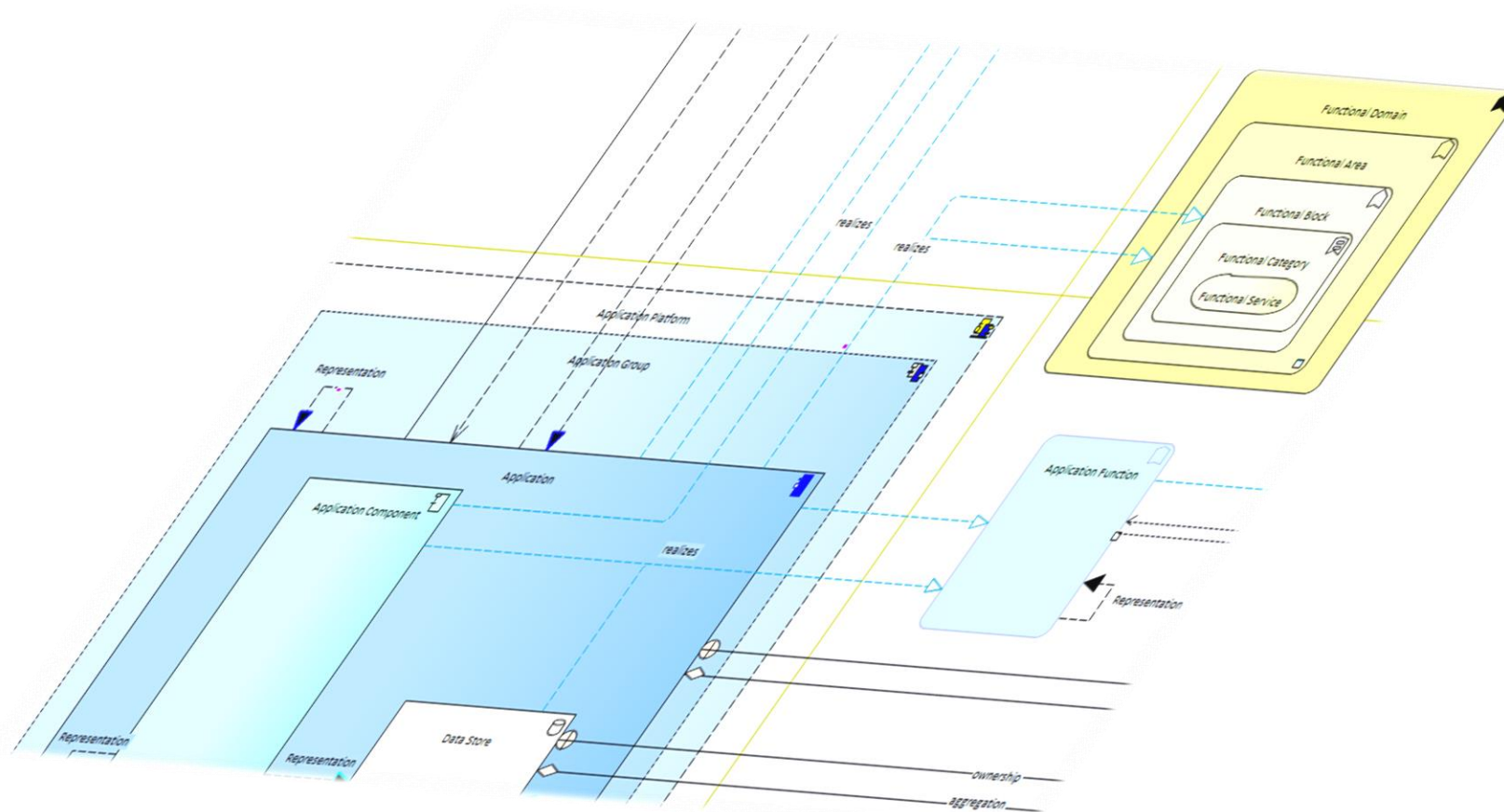


Within each architecture perspectives

Elements and connectors belong to different Levels of Details

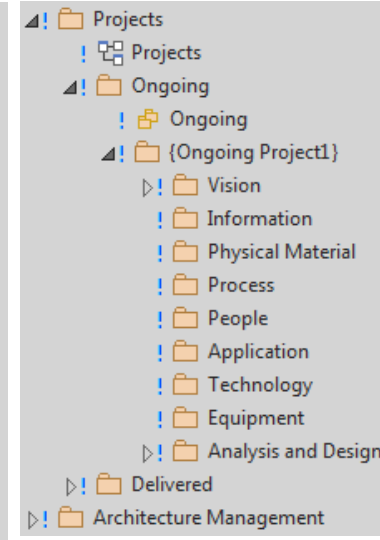
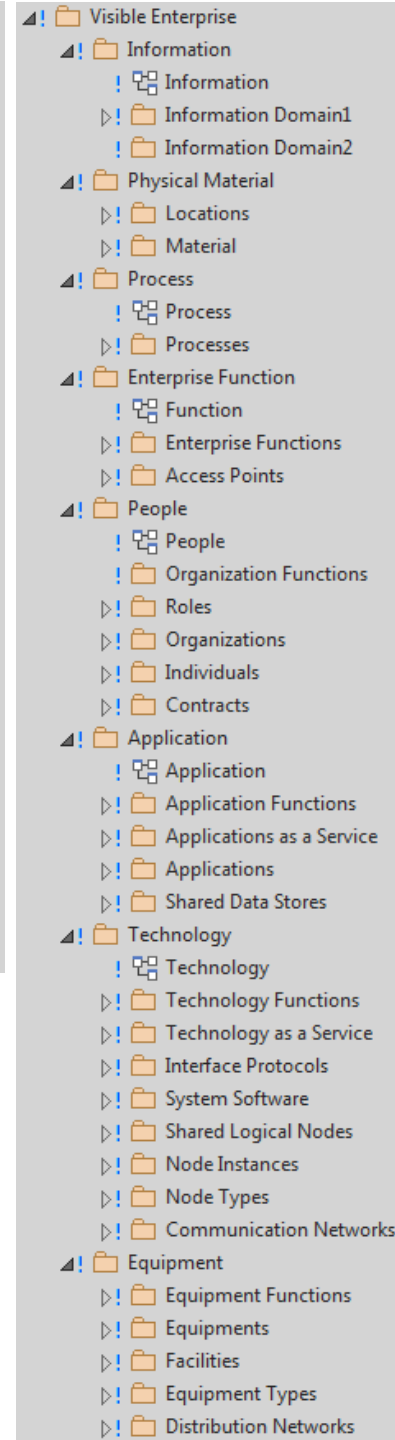
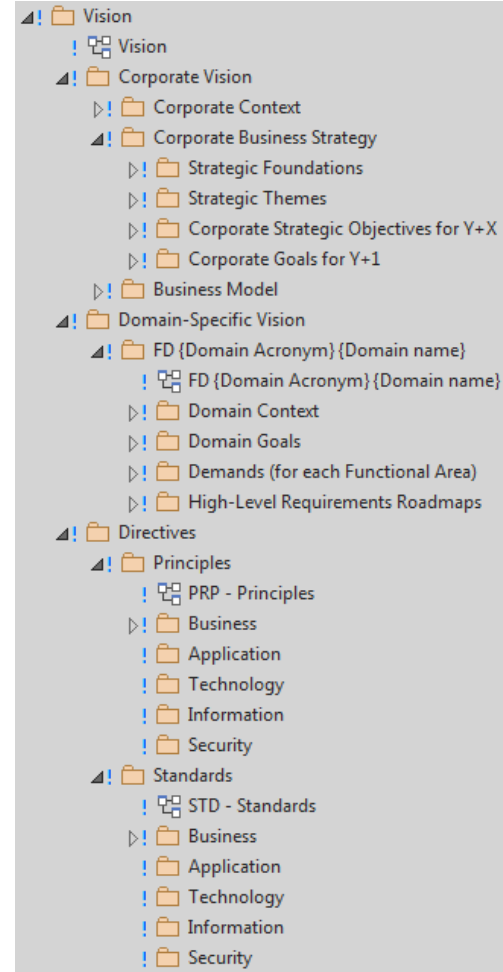


A **metamodel** defines the different types of model element and relationship



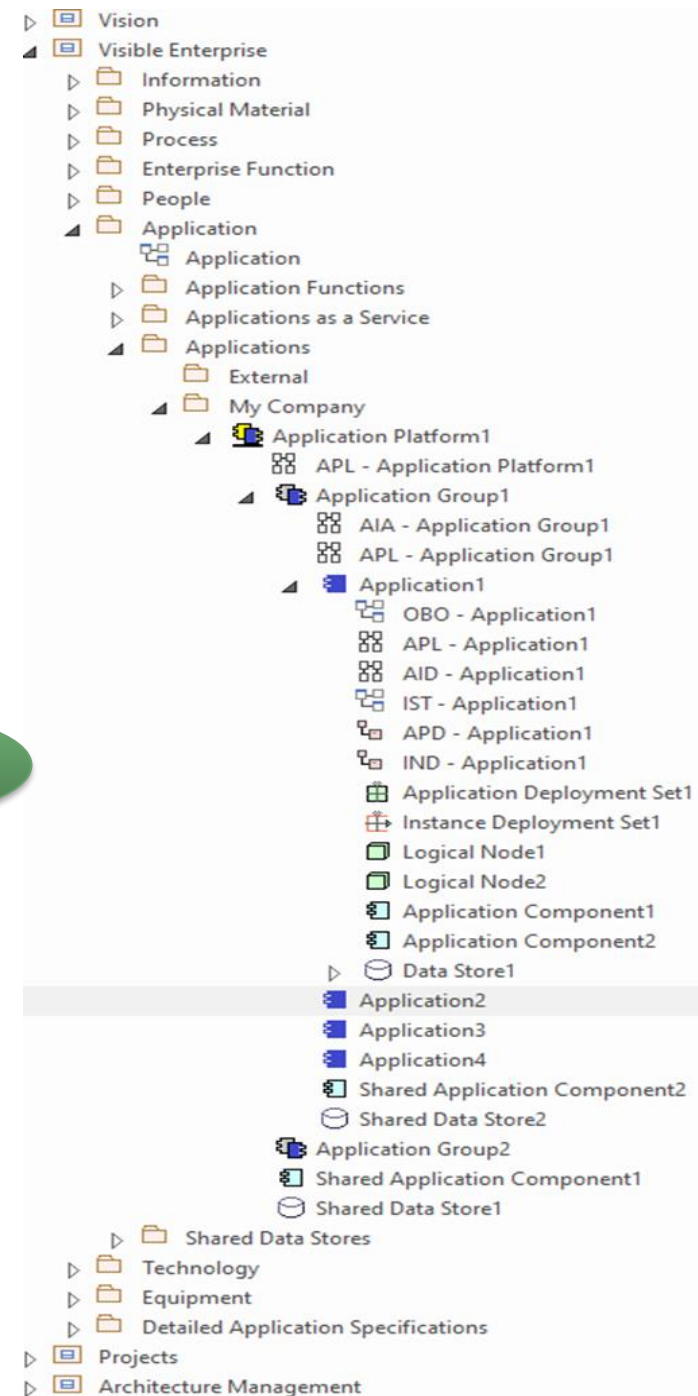
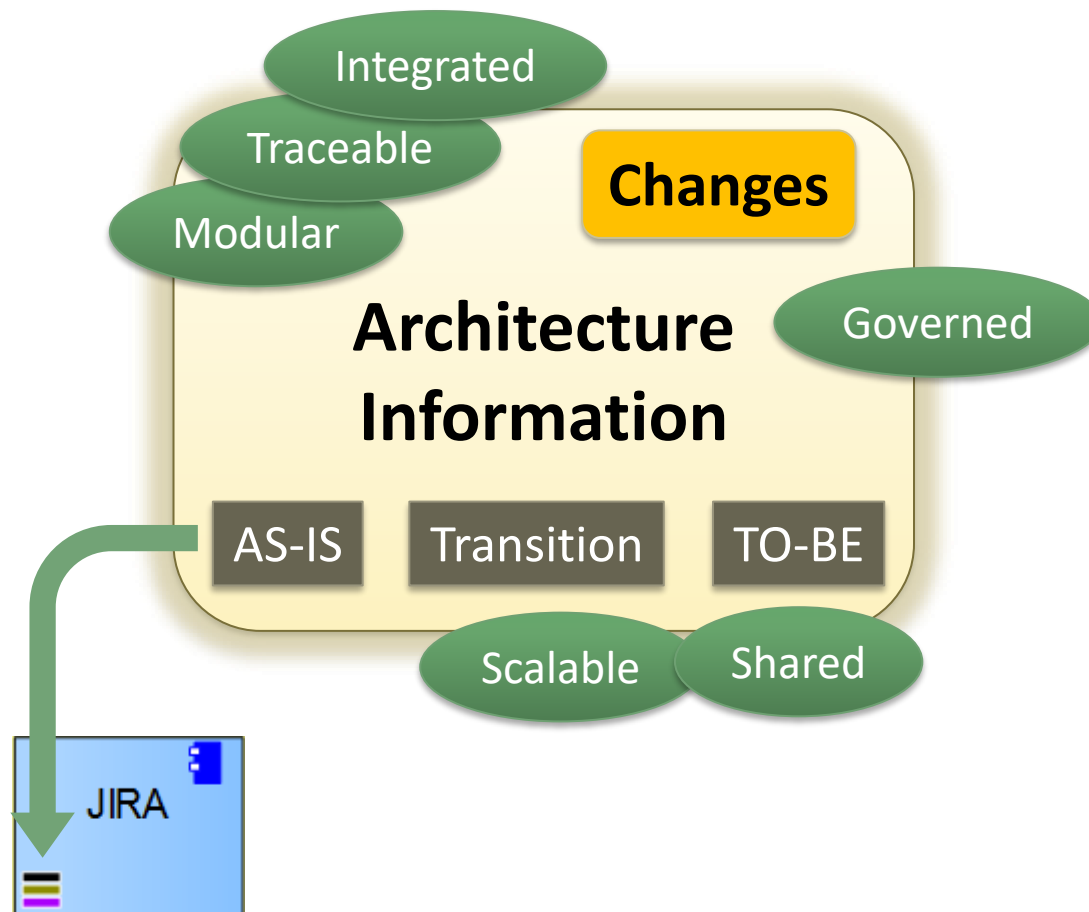
This same formal metamodel is used both for documentation and for model validation

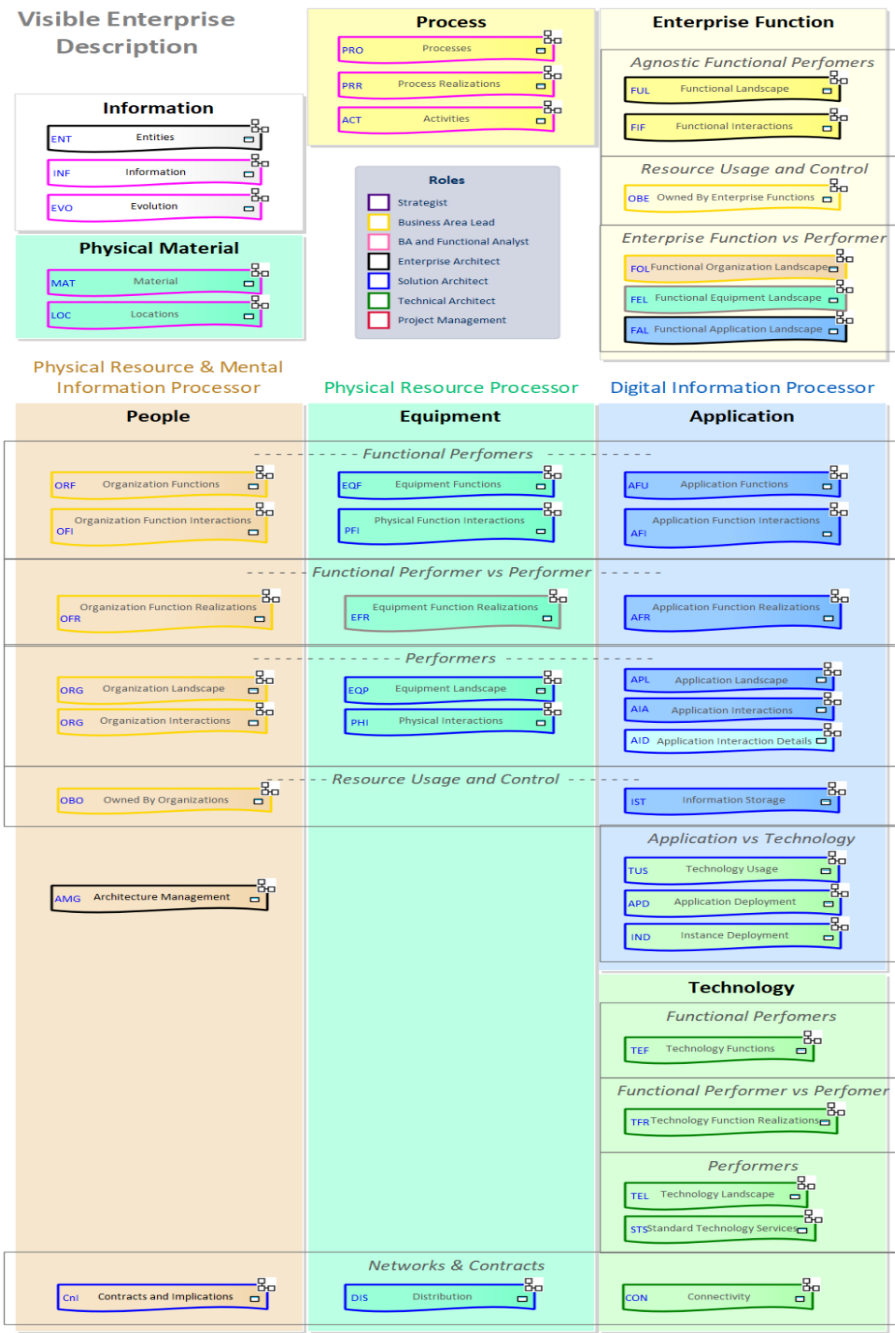
Strategy & Architecture content is classified in a structure of folders



Leaf folders are **catalogs** that contain elements and views

Elements and diagrams are altogether organized in the repository following a **prescribed tree structure**





The different types of views (viewpoints) organized following architecture perspectives

Viewpoints and Views – Textual definitions

Definitions based on [Wikipedia](#)

In the [engineering](#) of physically intensive systems, viewpoints often correspond to capabilities and responsibilities within the engineering organization.

Most complex system specifications are so extensive that no single individual can fully comprehend all aspects of the specifications. Furthermore, we all have different interests in a given system and different reasons for examining the [system's specifications](#).

- A [viewpoint](#) is a systems engineering concept that **describes a partitioning of concerns in system restricted to a particular set of concerns**. Adoption of a viewpoint is usable so that issues in those aspects can be addressed separately. A good selection of viewpoints also partitions the design of the system into specific areas of Expertise. Viewpoints provide the conventions, rules, and languages for constructing, presenting and analysing views.
- A [view](#) of a system is **a representation of the system from the perspective of a viewpoint**. This viewpoint on a system involves a perspective focusing on specific concerns regarding the system, which suppresses details to provide a simplified model having only those elements related to the concerns of the viewpoint. It is the sum of all views together that describes a system sufficiently. The view uses the conventions, rules and language defined by the viewpoint to document the relevant aspect of the system.

