



BIM Collaboration **Communication is the Key**

HDR



You say BIM, I say...



Building Information Model:

“Is the **digital representation of physical and functional characteristics** of a facility. [...]”



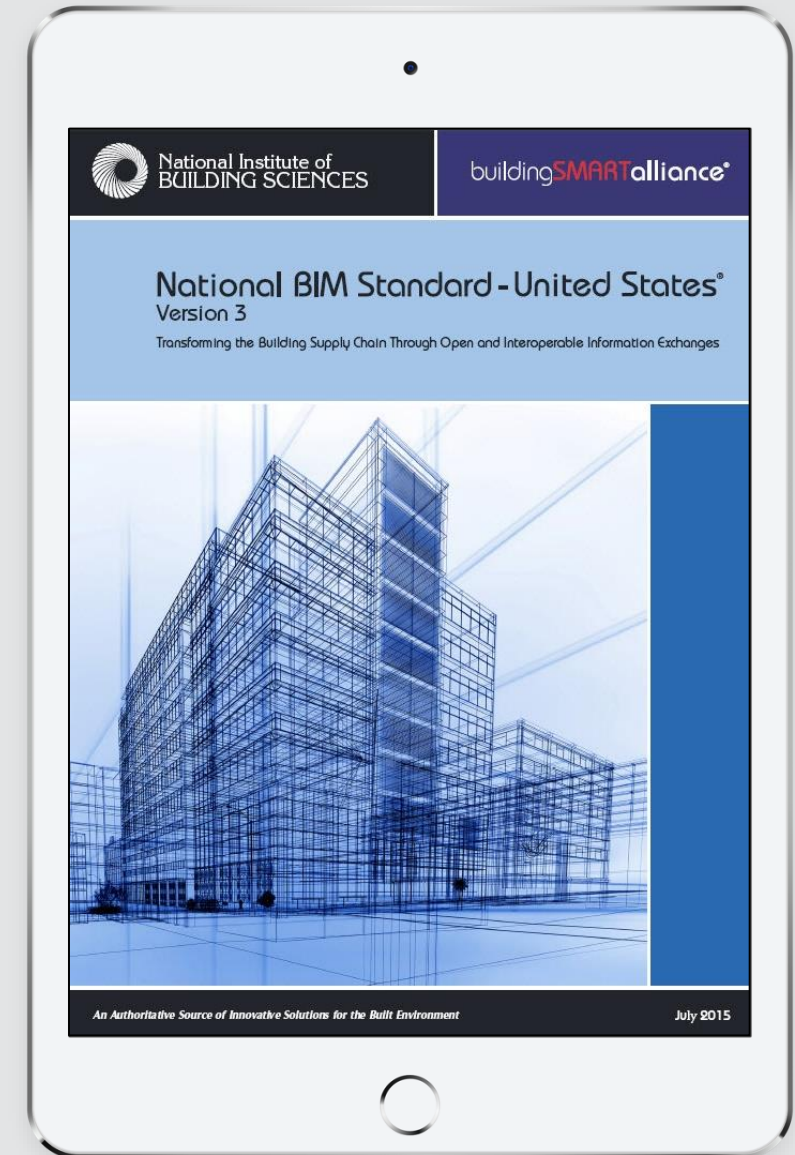
Building Information Modelling:

“Is a **business process for generating and leveraging building data** to design, construct and operate the building during its lifecycle. [...]”



Building Information Management:

“Is the **organisation and control of the business process** by utilising the information in the digital prototype to effect the sharing of information over the entire lifecycle of an asset. [...]”



Building Information Management

Building

- Architectural Model
- Structural Model
- MEP Model



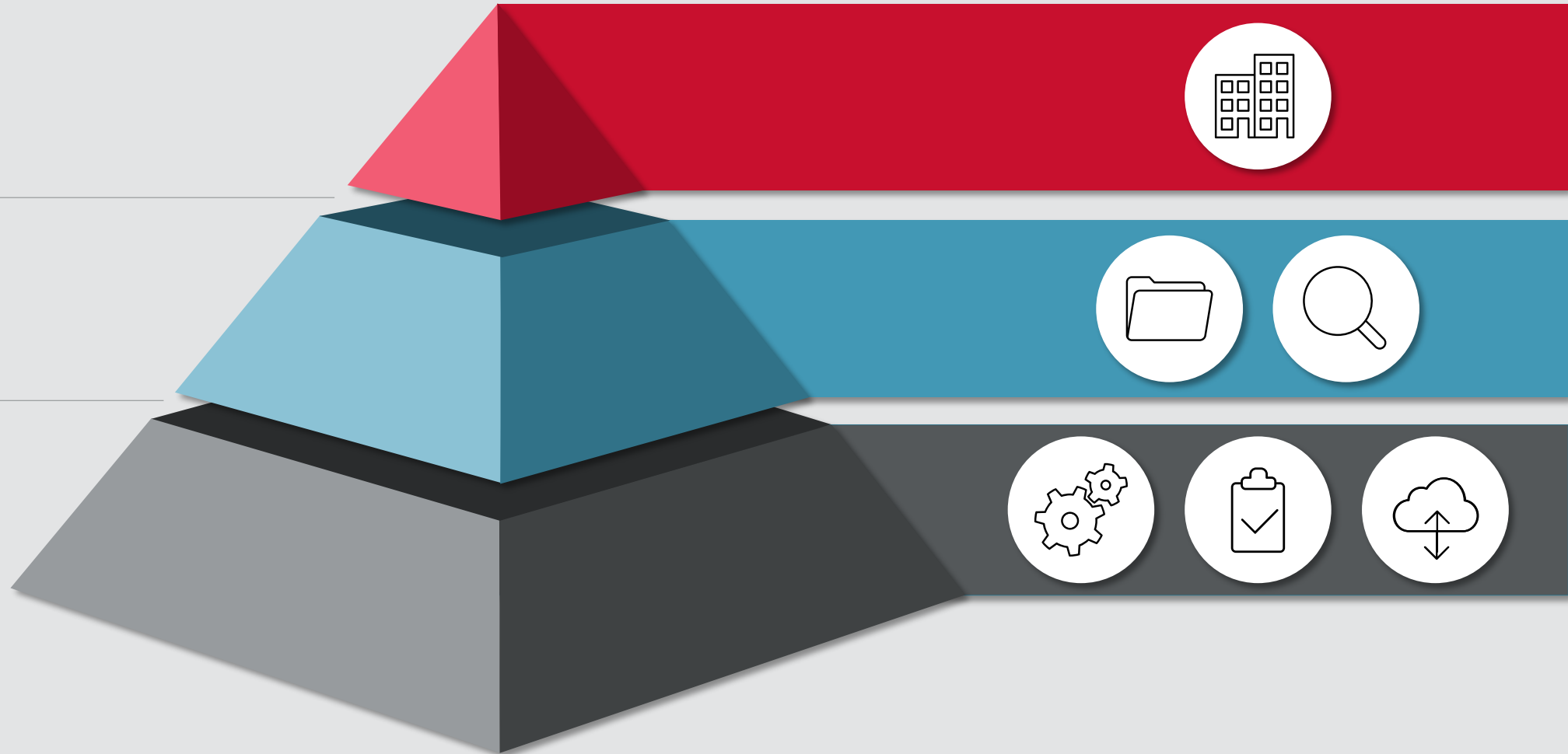
Information

- Scheduling
- Classification
- Quantities and Costs

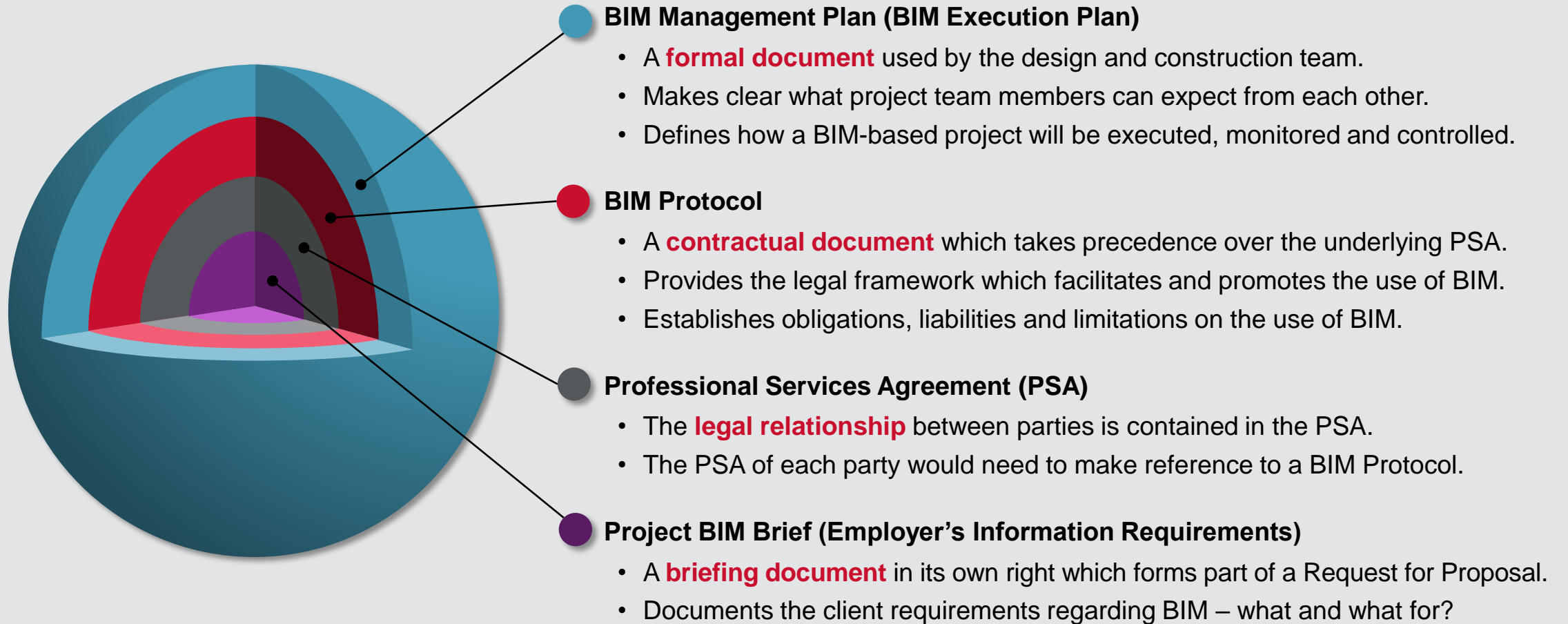


Management

- Feedback
- Status and Approval
- Quality Assurance

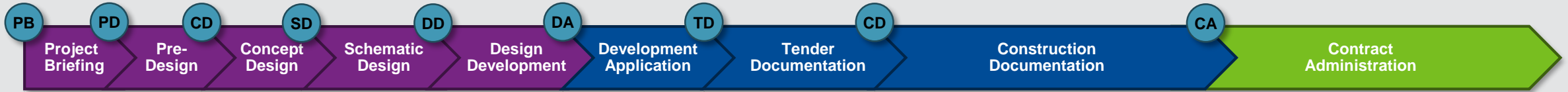


BIM Supporting Documents

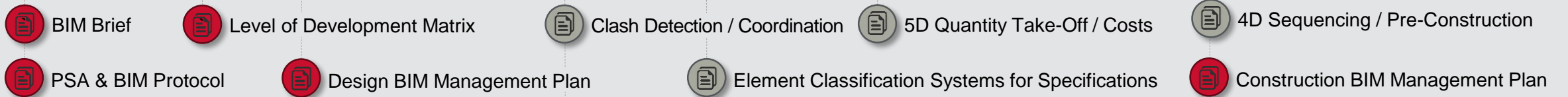


BIM and Project Stages

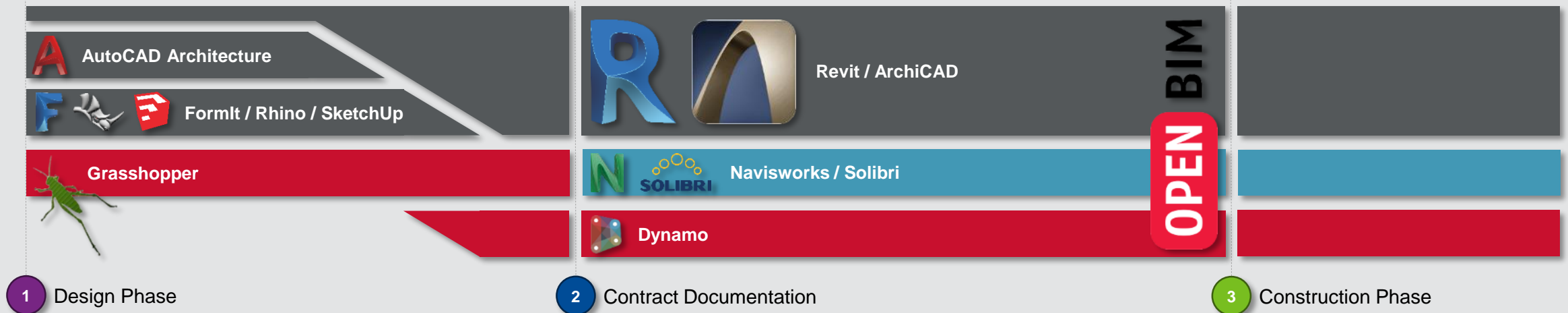
PROJECT STAGES



BUILDING INFORMATION MANAGEMENT



TYPICAL SOFTWARE APPLICATIONS



What should be addressed?

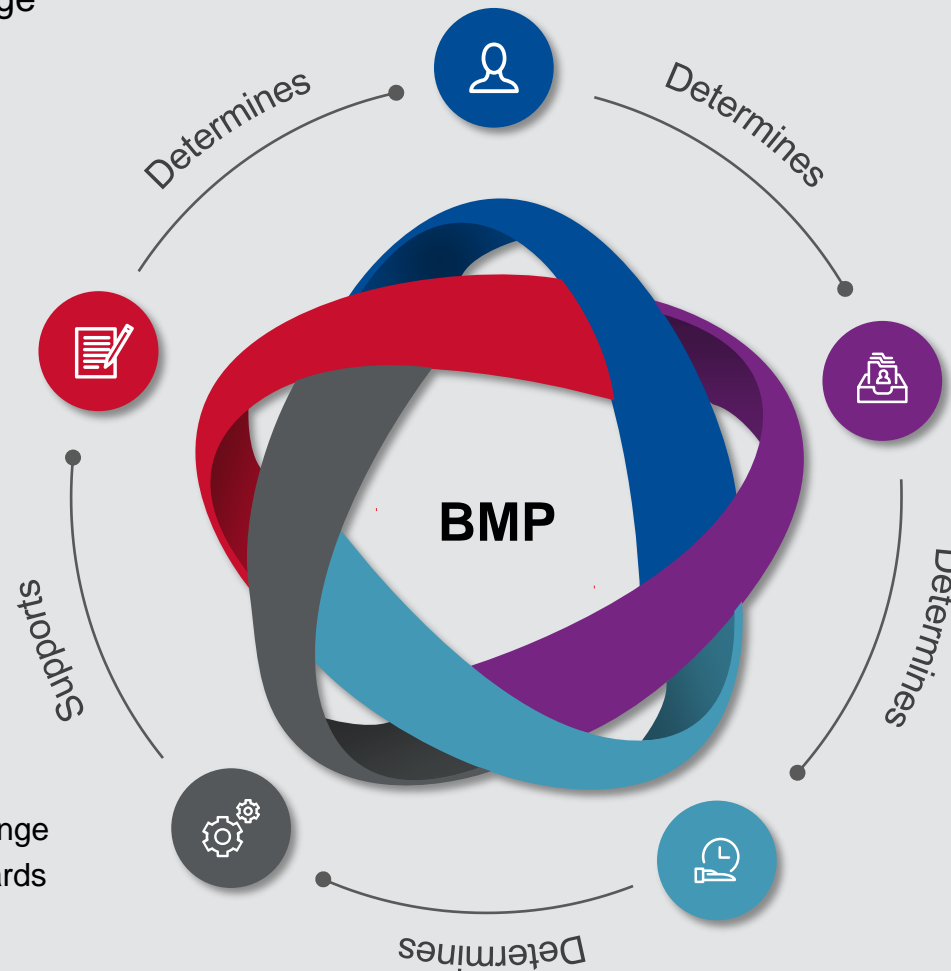
A **BMP** can be used to manage communication effectively and efficiently which has a huge influence on the project team's success.

Why

- › Contractual Requirements
- › Project Procurement Strategy
- › Completion Dates

How

- › Software Tools and Workflows
- › Collaborative Information Exchange
- › Digital Infrastructure and Standards



Who

- › Project Team
- › Roles and Responsibilities
- › Organisational Structure

What

- › Goals and Objectives
- › BIM Brief Requirements
- › Project Deliverables

When

- › Project Deliverables
- › Program for Design (PFD)
- › Tasks and Activities

When should it be addressed?

Iteration 1: Prepared by one party with the client. The focus is on **'why'** including strategic considerations such as contractual requirements, the most appropriate project procurement strategy and completion dates.

Iteration 2: Prepared when the **project team has been assembled** and **the need for organised collaboration is established**. The focus is on the **'who'**, **'what'** and **'when'** including roles and responsibilities, project deliverables, and uses of BIM necessary to achieve the project goals and objectives.

Iteration 3: After the general project management framework has been established, the **details that allow team members to share information and collaborate effectively need to be agreed**. The focus is on the **'how'** including processes, protocols, and the tools and infrastructure required to support them.



To effectively communicate, we must realize that we are all different in the way we perceive the world and use this understanding as a guide to our communication with others.

Tony Robbins