

# Overview of Discipline Project Manager

Project managers have overall responsibility for the successful planning and execution of a project.

They are responsible for controlling and managing risk and uncertainty. Most of the issues that impact on a project arise in one way or another from risk.



A good project manager can reduce risk significantly, often by adhering to a policy of open communication, ensuring that every significant participant has an opportunity to express opinions and concerns.

The use of specific project management software, which is able to be linked to the 3D model, to organise their tasks and workforce is paramount in enabling them to obtain vital information in just a few minutes and encompass many activities including:

- Resource planning
- Developing schedules
- Time and cost estimating
- Developing a budget
- Controlling quality
- Managing risks and Issues
- Creating charts and schedules
- Risk analysis
- Benefits realisation
- Scalability, interoperability and portability analysis
- Documentation
- Team leadership
- Strategic influencing
- Customer liaison

Project communication is faster and more accurate using the 3D model rather than marked up drawings. This ability allows them to provide advanced planning and coordination, which helps to ensure that equipment and fabrication deliveries arrive in the correct sequence.

The 3D model also has the benefit of providing vital information, which can then be shown graphically, to create a better understanding of the project's overall status.