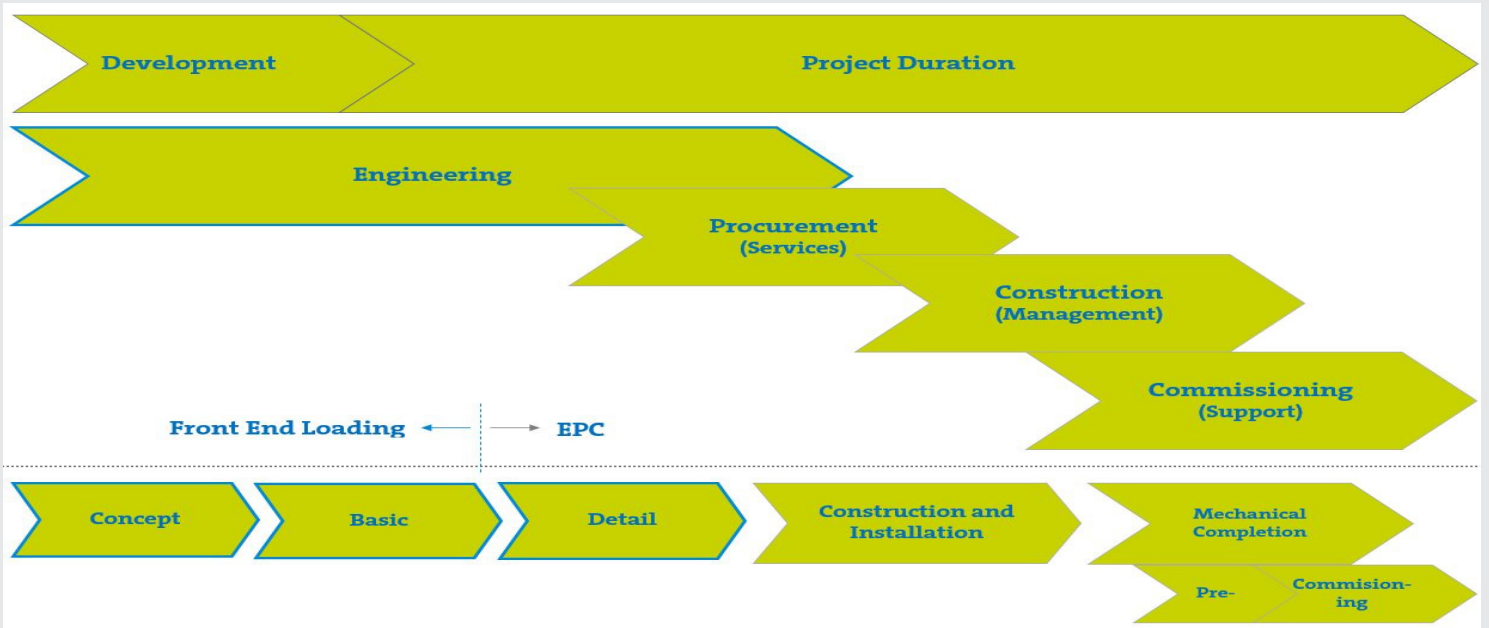


# PLANT DESIGN & PROJECT MANAGEMENT

## GENERAL PLANNING



### Project Management/Plant Design/General Engineering for Investment Projects EP(S)C(M)

We set ourselves apart by providing our multidisciplinary knowledge and experience in specialist disciplines, enabling us to assume overall planning responsibility. To achieve success, we also take novel approaches and question traditional solutions, work out design alternatives, and facilitate the final decision process with transparent evaluation matrices.

EPCM projects require a very thorough and structured project management, which is only possible through an optimum mix of experienced staff in combination with the latest software. Choose Bilfinger Peters Engineering GmbH and rely on our wide-ranging know-how so that you can concentrate your efforts on what you do best: your core business.

We provide the coordination of all services under one roof. Our cooperation begins with a broadly-based situational assessment. We develop design alternatives and evaluate them together with you.

The preferred project concepts are then further developed through an extended basic layout with precise cost calculations, and, after project release, are followed by detail engineering. The latest 3D design tools are applied at an early stage in order to ensure accurate cost estimates. All planning phases are subjected to intense monitoring to control the available time and resources.

Plant design and project management are an inherent part of our portfolio:

- Project management incl. scheduling, progress check and cost control
- Creation of feasibility studies including transparent assessment, conceptual, basic and detail design as well as cost estimates for all disciplines
- Authority engineering, creation of documentation supporting approval requests
- New project design and revamp/modernization of existing plants (including during operation)
- Erection planning for all disciplines in all project phases
- Layout of special equipment for process optimization
- Creation and elaboration of PFDs and P&IDs
- Selection and layout of machines and equipment (M&A) incl. the generation of technical sheets and request specifications
- Elaboration and cross-checking of security concepts (HAZOP)
- Creation of plant documentation, functional descriptions as well as operation and maintenance manuals



Project Management

Scheduling

Feasibility Studies

Concept, Basic and Detail Design

Authority Engineering

Plant Documentation

## Engineering & Maintenance

Continental Europe

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