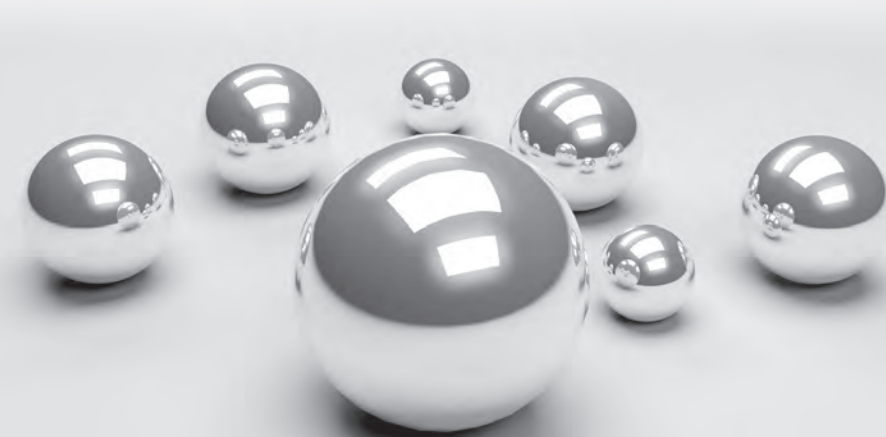


# Project & Completions Management System

PCMS Pro is a highly powerful, user-definable Completions Management System. Intuitive and user-friendly, all design features and parameters have the end-user in mind. Designed by experienced field-based personnel who have been involved with completions as an end-user, the system understands your needs and how to achieve project completions for all project types, sizes and budgets.

- Project System Configurations
- Automated Commissioning System designed by Engineers
- Mechanical Completions, Pre-Commissioning & Commissioning
- Consolidated Punch List Management
- Preservation Systems
- Automated ITR to Tag Assignment & Printing
- Tagging Specification Validation
- Complete Project Management Reporting



## Easy

To import and export data through all levels of the project.

## Fast

To install and commission.

## Adaptable

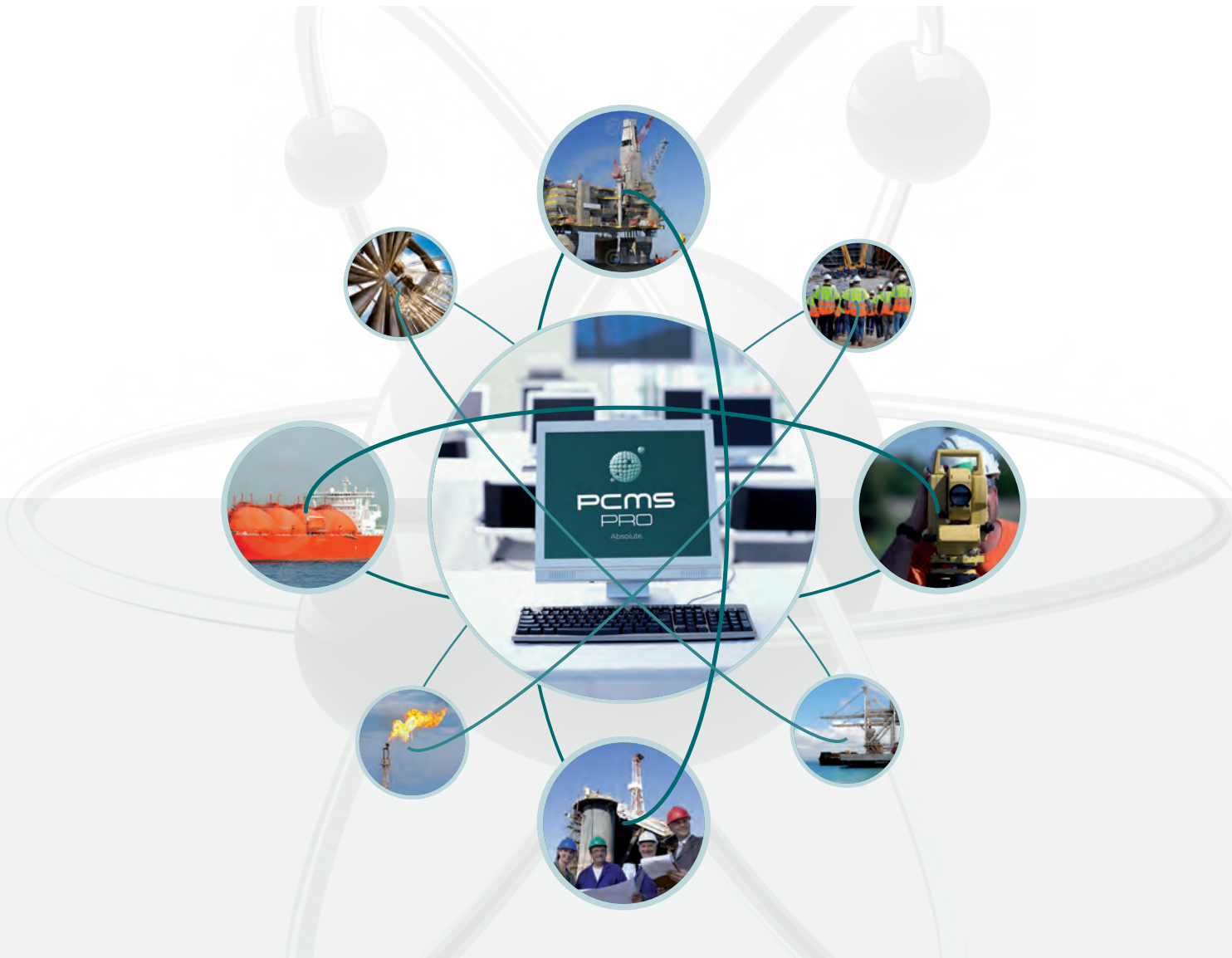
For any project to achieve the required level of completion management.

## Functional

System designed by industry professionals to efficiently complete projects.

## Features

- |                         |                 |
|-------------------------|-----------------|
| • Tagging & Testing     | • Punch Listing |
| • Pre-Commissioning     | • Preservation  |
| • Commissioning         | • Reporting     |
| • Ex Inspections        | • Operations    |
| • Mechanical Completion | • Certificates  |



The experts in Projects & Completions  
Improving your commissioning and operations efficiency

- |                     |                         |
|---------------------|-------------------------|
| • Reporting         | • Punch Listing         |
| • Pre-Commissioning | • Mechanical Completion |
| • Tagging & Testing | • Ex Inspections        |
| • Operations        | • Preservation          |
| • Commissioning     |                         |



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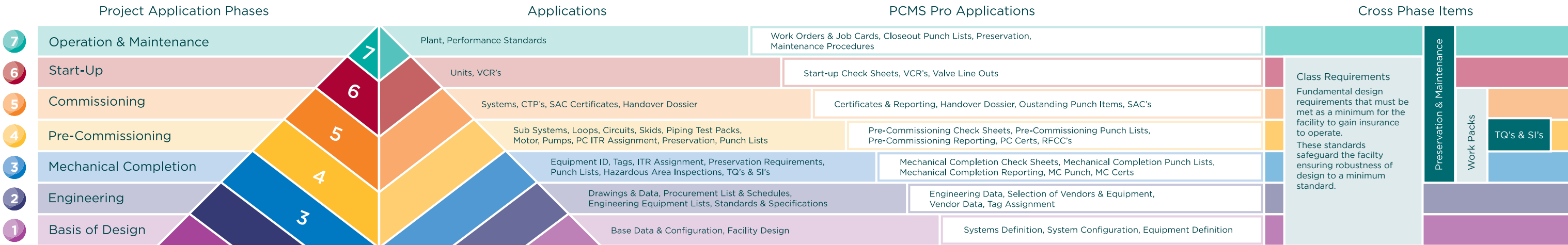
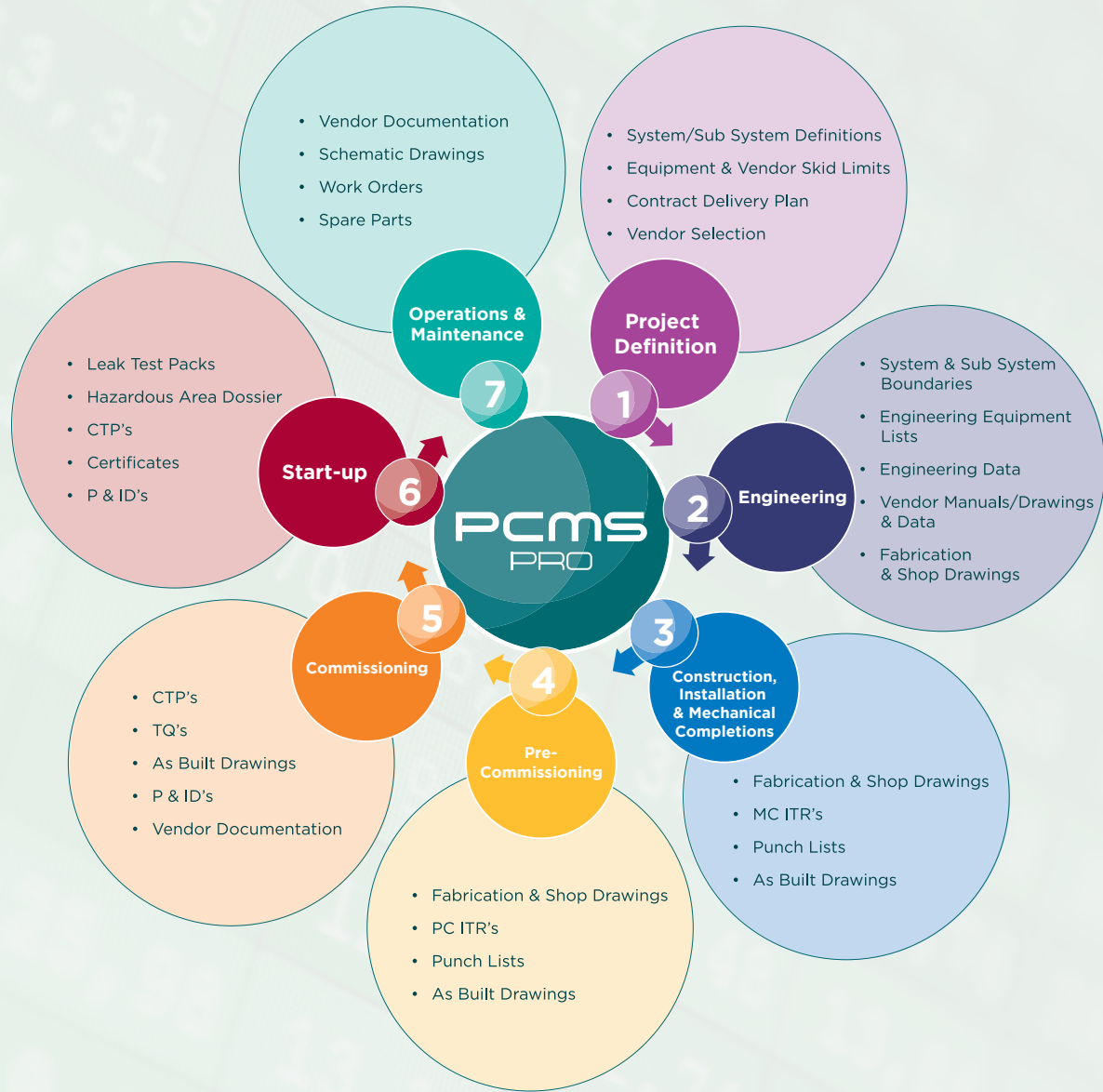
Absolute Control



# Four Steps to Completion

1. Verification that documentation and certification provided meets project and class requirements
2. The systematic inspection and function testing of equipment in the phases of Construction, Mechanical Completion, Pre-Commissioning, Commissioning and Start-up
3. The testing and verification that all systems in the facility perform as per design and class, and accepted by operations
4. Final performance test of facility to project specification

# The Absolute Solution



# Building The Structure

- 1 Basis of Design**
  - The verification that the Basis of Design requirements are aligned with Class standards, Regulatory requirements and Client Standards and specifications.
- 2 Engineering**
  - The Engineering data compiled and used as a basis for equipment lists, tag numbers, system and sub system boundaries, ITR's and Commissioning Procedures
- 3 Mechanical Completion**
  - Verification that the components and equipment are fabricated, installed and tested (non-energise) on an individual basis in compliance with design specifications, class and regulatory requirements.
- 4 Pre-Commissioning**
  - Dynamic testing of equipment that is mechanically complete. It is tested in single form, to ensure that it is functional and operates as per design. All specifics to the dynamic testing are recorded on the PC ITR's.
- 5 Commissioning**
  - The dynamic verification and testing of multiple items of equipment which form a system, to ensure operability and functionality of the system meets or exceeds the design parameters and specifications.
- 6 Start-up**
  - The systematic start-up of systems that are required for the introduction of hydrocarbons to the facility. Completion of dynamic hydrocarbon commissioning and performance testing of the facility as a whole in line with the BOD and performance standards and requirements
- 7 Operations & Maintenance**
  - The formal handover of systems from commissioning to the Operations team. Confirmation that the systems operate as per design parameters, standards and performance requirements. Equipment is in operation on a daily basis as per its intended use in line with the BOD.

