

***DESIGN AND PIPING LAYOUTING OF INSTALLATION SYSTEMS
WITH SOFTWARE PDMS (PLANT DESIGN MANAGEMENT SYSTEM)***

VERSION 12.0 SP6.25

(CASE STUDY : PDMS TRAINING PROJECT SAM001)

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ABSTRACT

There are many of the development for an industrial company such us of Oil and Gas Plant, Power Plant, Petrochemical Plant and Offshore Mining Plant in line with the development of more modern era. In the development of an industry (general plant) it needed an application that can assist in modelling to minimize design errors.

Application of software Plant Design Management System (PDMS) version 12.0 SP6.25 is one application that can make modelling or designing a general plant. The purpose of modelling using PDMS is to get a 3D image that includes general plant equipment and piping along with the reports generated. Modelling is in the form of modelling of equipment D1201,C1101, P1501A/B, P1502A/B, -E1302A/B, E1301 and piping 100-B-A3B-1, 100-B-A3B-2, 150-A-A1A-3, 200-B-A3B-4, 250-B-A3B-5, 150-B-A3B-6, 80-B-A3B-7, 100-B-A3B-8, 50-B-A3B-9, 40-B-A3B-10, 80-A-A1A-11, 100-C-F1C-12, 100-C-F1C-13, 150-A-A1A-57. Beside that equipment, it's designing piping modeling with PDMS piping.

After modelling using software Plant Design Management System (PDMS) version 12.0 SP6.25, it can be concluded the results of the 3D image equipment, piping and general plant PDMS, isometric piping drawings, 2D drawing of equipments, material take-off (MTO) to know the name, type, number of components, descriptions and materials as well as length of pipe used.

Keywords: Modelling, General Plant, Equipment, Piping, Software Plant Design Management System (PDMS) version 12.0 SP6.25.