

Development of a Project Management System for the Turnkey-based Plant Project

Abstract

This paper is concerned with the development of a project management system for the turnkey-based plant project, which will help the site manager to plan, control, and report the project progress. This system has been developed as one of the modules of the integrated information system for the H Heavy Industry Co. and is composed of five subsystems; project information system, drawing-material management system, process management system, project progress report system, A/S management system. The system is also integrates commercial project management package in order to schedule the project activities and report the project progress to the owner. The main purpose of the system is to provide project information, including drawing, material, and progress, to the site manger in the real time and to accumulate site know-how for the turnkey-based plant project.

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(PINES : Plant Information NETwork System)

PINES , , , DB

, , 7 , , ,

, A/S (Turnkey-based) , (Site)

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A/S 5 / , , ,

2.

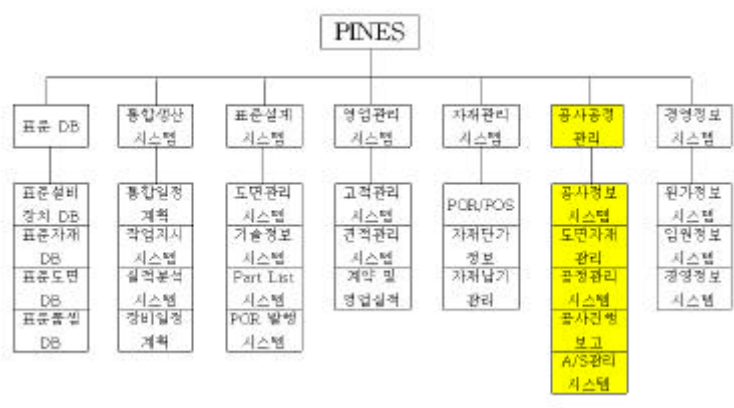
PINES < 1>

, , , , DB

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, , A/S

NEX - Pert , Primavera Artemis



< 1> PINES

2.1

가 Keyword Update가 Help File Know-how가 Windows Help

2.2

Milestone

2.3

PINES Microsoft Access NEX-Pert Xbase Database Format Database Format Database Format Actual가 Package

2.4

EPC (Engineering, Procurement, Construction) /ITEM/ Work Step Activity Work Step Package 가

2.5 A/S

A/S
A/S

A/S History

A/S

A/S

DB

User

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Microsoft Access 97 Visual Basic 4.0,
Pilot System

Crystal Reports 5.0

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Window PM

Combo Box

Window



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Window

3.1

Application

가 Help

Database

가

5가

가

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3.2 /

Site

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, Milestone

3.4

/ ITEM/ EPC /

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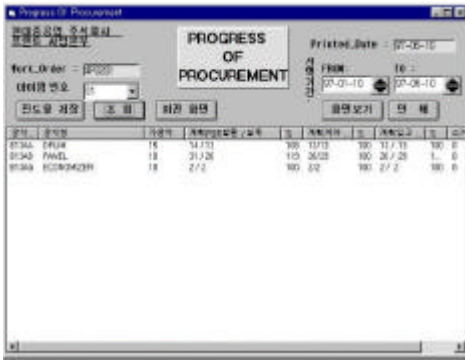
3.5 A/S

A/S

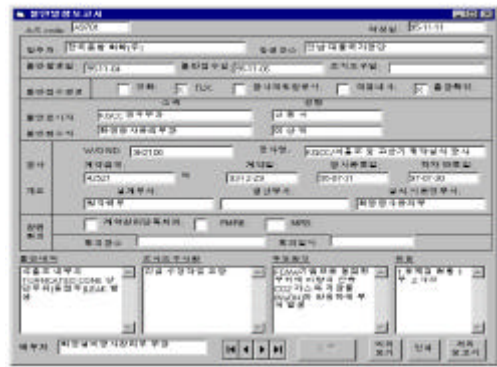
가 A/S code

A/S A/S code <

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Package NEX-Pert
Primavera Artemis

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