PROCESS DESIGN / ENGINEERING DATA

Janakiraman Muthu (Janis)

SmartPlant P&ID Administrator & Design Lead

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23+ years in process design, engineering data management and CAD administration across FLNG, FPSO, LNG, refining and petrochemical projects. Led teams of more than 50 designers. International assignments in the UK, Nigeria, Spain and Oman.

Professional experience

Samsung Heavy Industries India

SmartPlant P&ID Administrator | Noida | Aug 2022 - present

Prepare and check P&IDs for floating production facilities, supporting SmartPlant administration across FEED and detailed engineering. Projects include Petronas ZLNG, SENSE FLNG and Wisting FPSO.

Técnicas Reunidas

CAD Manager, Process | Bengaluru | Sep 2020 - Mar 2022

Planned manpower and licences, tracked progress with design leads and coordinated weekly delivery reporting with the Madrid office.

Kellogg Brown & Root (KBR)

Chief Designer / Design Supervisor, SmartPlant P&ID SME | Chennai | Apr 2015 - Sep 2020

Led CAD delivery in Lagos for Nigeria LNG Train 7 FEED. Supported intelligent drawing delivery, database cleanup and SmartPlant setup on international assignments.

Técnicas Reunidas via Valdel Engineers & Constructors

SmartPlant P&ID Coordinator and Lead / Senior Process Designer | Bengaluru | Jul 2009 - Apr 2015

Coordinated project planning and reporting. Prepared and checked intelligent P&IDs, line lists and inconsistency reports across refinery and petrochemical projects.

Earlier roles

TR Engineering / CAD Designer / Muscat / 2008 - 2009
Foster Wheeler India / CAD Designer / Chennai / 2006 - 2008
Aureka / CAD Operator and Draughtsman / Auroville / 2001 - 2006

Selected project work

Petronas ZLNG

FLNG hull | FEED and EPC

Prepared intelligent hull drawings in SmartPlant. The project scope included 40 PFDs and 180 P&IDs.

Nigeria LNG Train 7

LNG | FEED

Team Lead and CAD Administrator in Lagos. Prepared process flow schemes, process engineering flow schemes and line lists using AutoCAD and MicroStation.

Al-Jubail Export Refinery

Refining | Detailed engineering

Used SmartPlant Satellite Setup to duplicate drawings across five paired process units, maintaining the relationships between source and derived units.

Wisting FPSO and Coral South FLNG

Floating production | FEED

Prepared Wisting hull PFDs and P&IDs. At KBR, cleaned up SmartPlant data for Coral South FLNG and incorporated drawing markups.

Technical practice

Administration

Engineering Manager project hierarchies, Oracle and SQL Server databases, licensing, access, catalogues, data dictionaries, filters, tag formats and backups.

Data and deliverables

Integration with SmartPlant Electrical and Instrumentation, validation, inconsistency reports, line lists, equipment lists and vendor drawing conversion.

Design leadership

Team planning, man-hour estimates, licence forecasts, work sharing, checking procedures, designer training and progress reporting.

Education & recognition

B.Tech, Mechanical Engineering / Vinayaka Missions University / 2005

Diploma, Mechanical Engineering / P.V. Polytechnic / 2001

Innovation Leader Award / Samsung Heavy Industries India / August 2026

Best Project Performer / Petrokemya ABS / Q1 2014