

FREDERICK DELA CRUZ TAN (Electrical Engineer)
Graduate Student -MS Paper and Imaging Science & Engineering (WMU)

I have over ten years of direct and first-hand experience in a paper mill with a cogeneration plant and a waste water treatment plant.

I am confident that my wealth of skills and experience in the installation, start-up, commissioning, testing, operation, maintenance, engineering and project management of various equipment and systems related to a paper mill, a cogeneration plant, and a waste water treatment plant coupled with a strong drive to do my best, a positive attitude and innovative thinking makes me a very promising addition to any manufacturing company.

Contact Info

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Educational Background

Highest Education

Level : Bachelor of Science Degree
Field of Study : Engineering
Major : Electrical Engineering
Institute / University : Don Mariano Marcos Memorial State University
Located In : Philippines **Graduation Date** : Mar 1997

Work History

Company Name : United Pulp & Paper Co., Inc.
Position Title : SCG Paper Public Company Scholar –MS Paper & Imaging Science and Engineering (WMU)
Date Started : Aug 2008

Work Description:

Satisfactory completion of the Master of Science in Paper & Imaging Science and Engineering program of the Department of Paper Engineering, Chemical Engineering and Imaging in Western Michigan University.

Work History –continued

Company Name : United Pulp & Paper Co., Inc.

Position Title : Assistant Division Manager –Maintenance, Energy & Engineering

Date Started : Apr 2008

Date Left : Aug 2008

Work Description:

The ADM supports the Division Manager by handling critical and priority jobs related to plant maintenance and the cogeneration plant operations and maintenance and also provide technical support to other Divisions within the plant.

Act as the Maintenance, Energy & Engineering Division OIC in the absence of the Maintenance, Energy & Engineering Division Manager.

Assist and lead the team of the Preventive Maintenance, Mechanical Maintenance and Electrical & Instrument Maintenance Section Managers in planning and coordinating the division's activities and tasks for monthly scheduled shutdowns and annual long shutdowns.

Concurrent Project Manager and Total Productive Maintenance - Early Management Pillar Head.

Company Name : United Pulp & Paper Co., Inc.

Position Title : Projects Manager

Date Started : Jan 2007

Date Left : Apr 2008

Work Description:

Reports directly to the Energy & Engineering Division Manager.

Responsibilities:

1. General

Project Management

Implementation of Cap Ex Projects relating to machine improvements, upgrades, modifications, restoration, replacement, etc.

Development, Planning & Completion of Project Proposals

Development, Planning & Completion of Major Repairs (as per approved Work Request)

Development, Planning & Completion of Modifications (as per approved Work Request)

Development, Planning & Execution of Machine/Process Improvements

Close coordination with other sections

Provide technical assistance to other sections as requested

2.Particular

Activity Planning

Requisition of equipment, parts, labor, etc.

Evaluation of equipment/machinery offers and supply contracts

Status reports monthly and as requested

Project Evaluation and Cost/Benefit Analysis

Other activities as assigned by immediate superior

Act as Energy & Engineering Division OIC in the absence of the Energy & Engineering Division Manager

Concurrent Position: Total Productive Maintenance -Early Management Pillar Head

Work History -continued

Company Name : United Pulp & Paper Co., Inc.

Position Title : Electrical & Instrumentation Maintenance Section Manager

Date Started : Jun 2006

Date Left : Jan 2007

Work Description:

Reporting directly to the Preventive Maintenance and Energy Division Manager, the Electrical & Instrumentation Maintenance Section Manager is responsible for the safe, efficient, continuous and reliable operation, maintenance and improvement of all electrical, instrumentation and automation systems and equipment used and installed in UPPC's BFO Boiler, Circulating Fluidized Bed Boiler, 30MW Turbine-Generator, Demineralization Plant, Effluent Water Treatment Plant, Waste Paper Repulping & Chemical Preparation Plants, Stock Preparation Plants and Paper Machines.

The Electrical & Instrumentation Maintenance Section Manager leads a maintenance section composed of two Electrical & Instrumentation Maintenance Unit Heads, two Electrical Maintenance Foremen, two Instrument Maintenance Supervisors, a Staff Engineer, fourteen Electricians and nine Instrument Technicians.

Concurrent Project Manager and Total Productive Maintenance -Early Management Pillar Head.

Major Job Responsibilities:

- Support and implementation of the TPM Program.
- Prepare and implement plans and programs to ensure the efficient, reliable and continuous operation and maintenance of all electrical, instrumentation & automation system and equipment.
- Prepare reports regarding maintenance activities, production downtime and status of maintenance concerns and projects monthly and as needed.
- Study, review, evaluation and modification if necessary of existing electrical, instrumentation & automation systems and equipment.
- Set-up, implementation, review and modification if necessary of preventive maintenance, calibration and repair or replacement procedures.
- Provide technical support to other departments and other sections.
- Evaluate and recommend approval of Purchase Requisition slips for the acquisition of spare parts, consumables and services.
- Maintenance cost control.
- Preparation of Scheduled Shutdown activities.
- Preparation of Preventive Maintenance Programs & Activities.
- Study, review, recommendation and approval or disapproval of service contracts and proposals of external contractors and service providers.
- Breakdown analysis.
- Enforce and obey company rules and regulations.

Work History -continued

Company Name : United Pulp & Paper Co., Inc.

Position Title : Electrical & Instrumentation Maintenance Unit Head

Date Started : Sep 2005 **Date Left** : Jun 2006

Company Name : United Pulp & Paper Co., Inc.

Position Title : Electrical Maintenance Supervisor for PM1 & PM2

Date Started : Mar 2004 **Date Left** : Sep 2005

Company Name : United Pulp & Paper Co., Inc.

Position Title : Electrical Maintenance Supervisor -PM2

Date Started : Mar 2003 **Date Left** : Mar 2004

Company Name : United Pulp & Paper Co., Inc.

Position Title : Instrumentation & Automation Unit-Maintenance Supervisor

Date Started : Aug 2002 **Date Left** : Mar 2003

Company Name : United Pulp & Paper Co., Inc.

Position Title : Waste Plant #2 Foreman

Date Started : Oct 2000 **Date Left** : Aug 2002

Company Name : United Pulp & Paper Co., Inc.

Position Title : PM2 -Process Engineer

Date Started : Aug 1998 **Date Left** : Oct 2000

Company Name : United Pulp & Paper Co., Inc.

Position Title : Cadet Engineer-PM2 Project Engineer

Date Started : May 1998 **Date Left** : Aug 1998

Skills

Paper Mill Operation & Maintenance
PLC Troubleshooting & Programming
Yokogawa Centum CS
AC & DC Drives
QCS (Quality Control System –Online BM Gauge)
Project Planning & Implementation
AutoCad
MS Word
MS Excel
MS Powerpoint
MS Access
MS Project
Power Plant Maintenance and Operations
Waste Water Treatment Plant Maintenance
Yokogawa Centum CS 3000