



Management Project

Mold & Co in China

Marie CHIAVERINI Baptiste SACLIER
Vadim CROCHET Antoine CAILLET
Romain JUNCA

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Introduction

This document describes all aspects of the ChineseTooth project which the main goal is to install IT systems around the new production line in the eco-city of Taijin. This project includes a social and ecological aspect in order to fit to the requirements of Taijin city guidelines.

In this document, we describe what are the goals, the processes, the planning and the risk of such deployment in China.

Project description

The main goal is to install a toothbrush production line in the eco-city of Taijin in China. Our company is working for MOLD & Co. to make this production line a reality.

Our main guidelines in this project is to install a production line that can produce a great amount of toothbrushes within an eco-city. This project needs to be respectful of the surrounding environment and social aspects of the project's stakeholders.

2.1 Specifications

This project has to achieve the following specifications.

The production line must contain all the required machines to automate the production of toothbrushes. These machines include moulting machine, stamping machine, tufting machine, bristle cutter machine, bristle trimming machine and Packaging machine. These machines need to be bought and connected to each other in order to build the full product.

To connect all the machines in the assembly line, the project requires also a full digital connection to an internal network. This network groups all connected machines and database servers to store monitoring informations about the production. These informations need to represent the current production, the past production and potential errors in the production line.

The production line is fully automated through this network and the production is regulated to produce exactly what is needed. This automation brings many advantages including the environmental impact reduction, reduction of the storage requirement of finished products and 24/7 production in case of huge demand.

The informations collected need to be displayed to the employees in charge of the production line. These informations are displayed through an interface reading the monitoring data from the database. A master server has to be installed in order to control all machines and to control the production flow.

Several materials are required to produce toothbrushes. These materials are plastic, nylon, brass wire, paper box packing, plastic hard container packaging, high frequency blister packaging and Blister card packaging. The project must include a storage space for all these materials and human resources to load the resources in the appropriate machines.

All the production line machines, storage and digital network requires engineering to organise all these components depending on the space available and the shape of the building. Engineering human resources are required to create, configure and install monitoring system. Human resources may also be required to manipulate machines, connect

each machine to the other and install network.

2.2 Forces

The forces of the project are mainly focused on the high efficiency of the production line. This high efficiency is guaranteed by the monitoring system and the automatic management of the amount of product produced on the assembly line. This project represents a great opportunity to modernize the production of MOLD & Co. and automate the assembly line. By automating the assembly line, MOLD & Co. gain a lot of money on storage of manufactured products and human resources.

2.3 Weaknesses

This project have also small weakness that may have an impact on risks (Risk management will be covered in the section 6).

The main weakness are the important amount of advanced technologies that requires a great amount of high qualified employees in charge of the installing and maintaining the autonomous system of the assembly line. Another weakness is the requirement of heavy and pricy machines that can represent a major part of the project's costs.

Actors and Stakeholders

We have assembled all the actors of the project in a clear and precise way in order to identify them. You will first find the different actors who have an impact on the project. Secondly, the stakeholders and their position in the project. Finally, the teams that need to be set up.

3.1 Actors impacting the project

You will find below a table containing all the actors having an impact on the project. All the stakeholders were identified and analysed according to the client's needs by the Cesi conseil team.

There are four columns :

Name : it is the name of the actor and stakeholder.

External or Internal to MOLD & Co. companie : The actor in question is internal or external to MOLD & Co.. This is its positioning within the project.

State : what type of domain is the actor affiliated.

Influence level : this is the level of importance of the actor in the project.

Name	External or internal	Status	Influence level
Mold and Co employee	Internal	Manufacturation	Medium
Sponsor	External	Delay and budget	Important
Mold and Co	Internal	Client	Important
Cesi conseil	External	Provider	Important
Cesi conseil Building service	External	Building	Important
It service	Internal	Supervision	Medium
Maintenance service	Internal	Supervision	Medium
Logistic service	Internal	Supervision	Medium
Cesi conseil human resource service	External	Supervision	Important
Cesi conseil management service	External	Project supervision	Important
Cleaning service	Internal	Hygienic supervision	Medium
Tianjin town hall	External	Notice of construction	Important
Resource suppliers	Internal	Resources	Important
Exportation service	Internal	Exportation	Important
Importation service	Internal	Importation	Important

Figure 1 – Table of stakeholders

3.2 Setting up teams

Following the stakeholder analysis for this project, we set up teams to maximize the company's production and meet the Chinese company's standards.

These are five teams distributed as a service to ensure the proper functioning of the company Chinetooth.

Name	Objective	influence level
Human Resource department	Recruit new employees, retain them and develop their skills.	
Production department	Conception, resource planning, scheduling, recording and traceability of production activities	Important
It department	Software analysis and conception	Important
Marketing department	Boosts visibility and multiplies the brand's sales	Medium
Support and service department	Expertise and support to operational staff	Important

Figure 2 – Table of teams working on the project

Human resource department :will help to maintain a stable workforce over the long term.

Production department : its objective is to continuously improve the management of flows and stocks included in the work chain that begins with suppliers and ends with intermediate or end customers.

It department : as for the IT department, its objective is to design software applications to improve the productivity of internal employers and to ensure the proper functioning of the connected toothbrushes.

Marketing department : the role of the marketing department is to define a company's strategy by proposing products and services that will promote the development and sustainability of Mold & Co.

Support and service department : Finally, the last team, customer management, responds to requests for information before, during and after a purchase.

Project planning

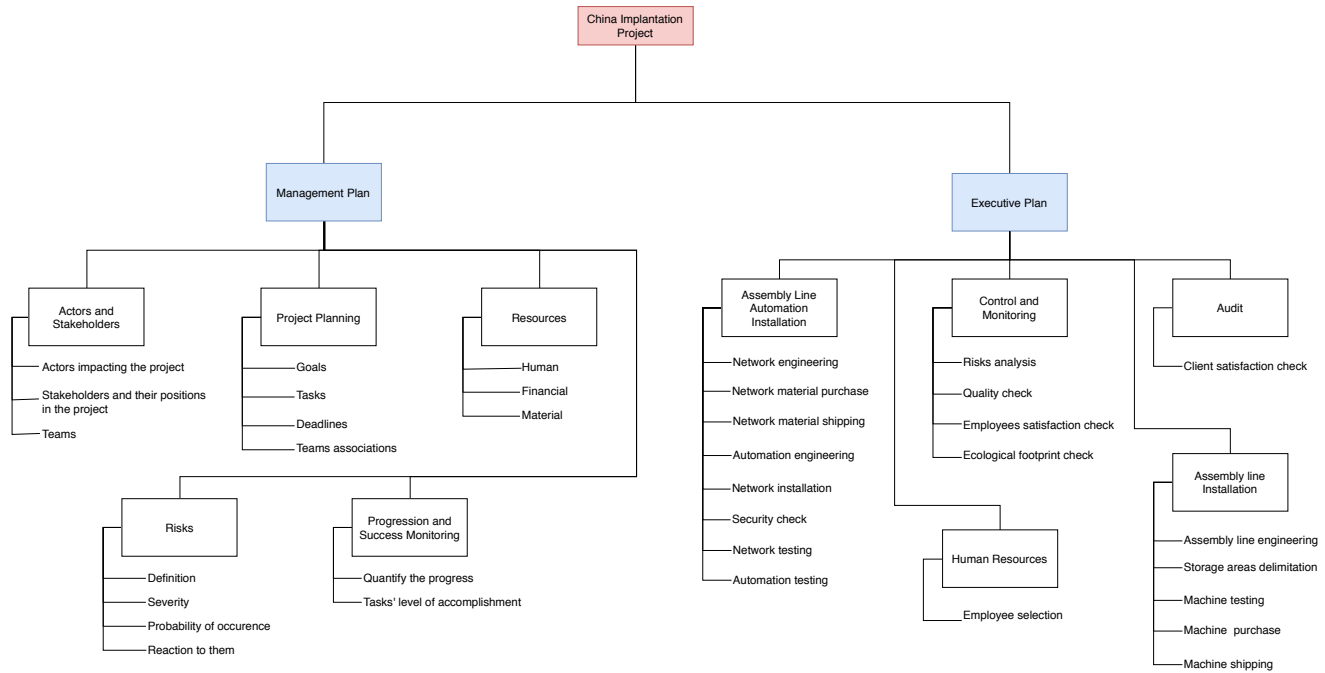


Figure 3 – Work Breakdown Structure of the project

4.1 Tasks

The project is separated in many tasks that represents all steps needed to reach the goal of the project. These tasks are separated in two categories : *Managment plan* in which all the tasks represents the redaction od the management plan of the project and *Executive plan* the represent the active part of the project in which the assembly line is installed.

4.1.1 Management plan

Required resources

Risks management

Indicators of progression and success

Conclusion