

**APS1028 – Winter 2021**

**Operations and Production Management for Manufacturing and Services**

**Team 5**

**Project Executive Summary**

**Continuous Improvement of Manufacturing Operations and Production  
Processes in Wire Production Plants**

**Team Members:**

Chethan Rao Takkallapally

Rizwan Ali

Shashwat Sharma

Asm Sajid

## **Executive Summary**

When we consider continuous improvement methods and processes which affect productivity and manufacturability, we tend to have found many past examples and how they have evolved the wire and cable industry. We look at how an aged company behaves differently concerning methods employed that a newly formed company through various case studies.

The continuous improvements in manufacturing and production processes can have different effects. Business, stakeholders, employees, and production can all be affected differently through these continuous improvements. Mostly these impacts are positive but that may not necessarily be true in all the cases as improvements have challenges associated with them as well. The paper would study different case studies of wire manufacturing companies based in North America and Asia and would try to evaluate the effects that these companies have faced.

Challenges that are typically faced by the cable industries worldwide were thoroughly explored, which showed that depending on which part of the world the cable industries are located at, the challenges faced by a cable industry are severely different from one country to another. Although the challenges were significantly different among various regions worldwide, most of the challenges are manageable. Thus, continuous improvement can be made for manufacturing and production processes in cable and wire production. The way forward in handling the challenges is taking the location/region seriously into account, which plays a crucial role in the continuous Improvement of Manufacturing Operations and Production Processes in Wire Production. It focuses more on resolving the challenges that can be managed easily.