

Proceedings of the 2nd Annual World Conference
of the Society for Industrial And Systems Engineering
Las Vegas, NV, USA
November 5-7, 2013

Improving On-Time Delivery Through Better Production And Inventory Planning And Control

MT Verduzco-Garza, B Villarreal, C Olivares, A Sánchez, G Viesca, and B Morales

Universidad de Monterrey
Monterrey, N.L., Mexico 66238

Corresponding author's Email: teresa.verduzco@udem.edu.mx

Abstract: This paper presents a description of the design and implementation of an improved planning and control raw material inventory system for a Mexican company located in Monterrey. The suggested system includes the integration of a new forecasting system and an improved updated inventory control scheme. The validation and implementation phases of the project are described. Finally, current performance results are illustrated.

Keywords: Inventory and production planning and control, elimination of waste, customer service, lead time reduction