

## Use of Six-sigma Concept in Discrete Manufacturing Industry

**Authors :** Ignatio Madanhire, Charles Mbohwa

**Abstract :** Efficiency in manufacturing is critical in raising the value of exports so as to gainfully trade on the regional and international markets. There seems to be increasing popularity of continuous improvement strategies availed to manufacturing entities, but this research study established that there has not been a similar popularity accorded to the Six Sigma methodology. Thus this work was conducted to investigate the applicability, effectiveness, usefulness, application and suitability of the Six Sigma methodology as a competitiveness option for discrete manufacturing entity. Development of Six-sigma center in the country with continuous improvement information would go a long way in benefiting the entire industry

**Keywords :** discrete manufacturing, six-sigma, continuous improvement, efficiency, competitiveness

**Conference Title :** ICIE 2014 : International Conference on Industrial Engineering

**Conference Location :** Cape Town, South Africa

**Conference Dates :** November 06-07, 2014