



**DEVELOPMENT OF ENVIRONMENTAL
COMPLIANCE TOOLS
FOR
SEMICONDUCTOR INDUSTRY**

A Project Report

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Master of Science in Engineering

By

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Abstract

This project provides detailed analysis of current environmental regulations such as REACH and RoHS proposed by the European Union (EU) as well as the restrictions imposed by the Joint Industry Guide (JIG-101A). A review of the EU Battery directive and EU directive on Eco-design of energy-using products has also been presented. Tools such as regulatory substances checklist, white papers and FAQ documents on environmental regulations have been developed to facilitate the process of regulatory compliance. A workflow has been recommended for handling new developments in compliance obligations. An economic analysis has also been carried out to justify the economic benefits of implementing a pro-active project for managing environmental compliance.

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