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February 2011

## CONCEPT DESIGN

# STS Freight Mounted Transport System for iron ore haulage with the capacity of 100 million tons per annum

Part 3. STS 103 Freight Mounted Transport System

### Analyses

103-00000000PP



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Sydney — Minsk  
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## **1 Introduction**

This part of Concept Design consists of technical and economic analyses (traction and dynamic analysis, strength analysis, cost estimation analysis, etc.) defining main parameters of STS 103 freight transport system for bulk commodities haulage.

The purpose of the analyses was to choose the most efficient version of STS 103 transport system and its subsystems (string-rail track structure and supports, rolling stock, loading and unloading terminals, depots, etc.)