

# 2012



## Structural Analysis



Service  
Brochure

LC Engineering is a Mechanical Engineering Consultancy with particular expertise in understanding static and dynamic structures and the methods of analysis relating to the effects of loading and vibration on such structures.

### **Our Engineering Services ...**

LC provides capability to monitor static and dynamic structures. Through years of experience, extensive research and utilising hardware and software solutions developed in-house, LC provides comprehensive analyses from a single hour of acquired data through to daily, weekly, monthly and annual reporting of structural performance

### **Our experience includes ...**

- Computer-Aided-Design (CAD) / Solid Modelling
- Hardware configurations for Data Acquisition
- Software algorithms to analyse data
- Finite Element Analysis (FEA)
- Vibrational Analysis
- Design expertise

Previous short-term studies include vibration analysis of a stacker reclaimer, wind effects on a sports stadium roof, certification of new structures and modified structures. LC provides long-term monitoring of the loading effects on draglines in Australia, South Africa and the USA.

### **Our resources give you access to ...**

- Extensive engineering experience in 30+ staff
- Leading edge computing technology
- Secure data and web-based reporting facilities
- Testing
- Lower associated risk in structural assessment

For more information  
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