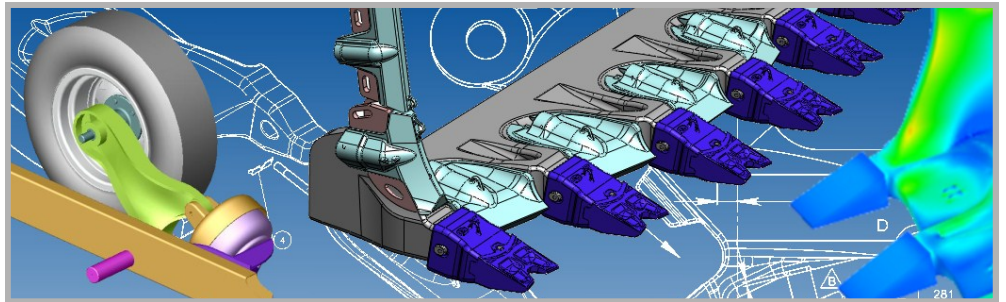


2012



Design Services



Service
Brochure

LC brings over 150 man-years of experience in Mechanical Engineering Consulting and Design services and employs several RPEQ and CPEng qualified managers.

With experience in a wide ranging field, LC aims to develop designs for clients that perform beyond the benchmark through employing a practical approach to design and functionality optimisation.

At LC we utilise a range of tools from the all important hand calculations through to specialised computer analysis programs.

Our tools include:

- Hand Calculations
- SolidWorks 3D parametric modelling software
- SolidWorks Simulator Finite Element Analysis (Cosmos)
- Strand Finite Element Analysis
- Pro/MECHANICA Finite Element Analysis
- Visual Basic unique proprietary design simulation programs
- 2D/3D working Model simulations
- Prototype Manufacture and Testing
- D.E.M. (JCU) proprietary Discrete Element Modelling
- Unique scale testing instrumentation
- PDM Custom programmed Engineering Workflow System

LC provides a range of clients with mechanical design services including concept design; prototype manufacture, testing and validation; production design and support; re-engineering of products; trouble shooting solutions; failure analysis; and material testing.

The tools and expertise at LC provide confidence and assurance in a complete design package. LC's in house systems and procedures are targeted at streamlining the consulting process whilst ensuring the utmost quality of service.

For more information
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