



Case study

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REDARC Electronics factory redevelopment

REDARC Electronics designs, develops and manufactures power management products. REDARC products are supplied to the trucking, automotive and recreational markets as well as mining, defence, communication, industrial, marine and alternative energy markets.

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Challenge

Accommodate rapid growth and prepare for global production.

Solution

Develop Lean factory layout and appropriate automation.

Result

30% per year growth using award-winning facility to launch new products in export markets.

REDARC Electronics factory redevelopment

The project scope

In 2005, REDARC embarked on a plan to double its manufacturing business over the next six years. To realise this ambitious growth, the company needed to plan strategically to expand its manufacturing facility while keeping the business operational. REDARC engaged Advanced Focus (formerly known as Manufacturing Focus) to work intimately with its management and staff before, during and after the design of a new factory.

The first stage of the project was to design processes for the factory while eliminating waste, improving quality and removing the need for costly late changes in the factory design.

Advanced Focus then utilised advanced manufacturing technology to reduce labour-intensive processes and space requirements,

creating ongoing cost savings and efficiencies while enhancing the operators' working environment.

The project required close teamwork throughout the evaluation of both the process and technology.

The result is a showpiece of modern manufacturing that has delivered greatly improved operator satisfaction and productivity, enabling REDARC to compete in a global marketplace and grow at a rate of 30% annually.

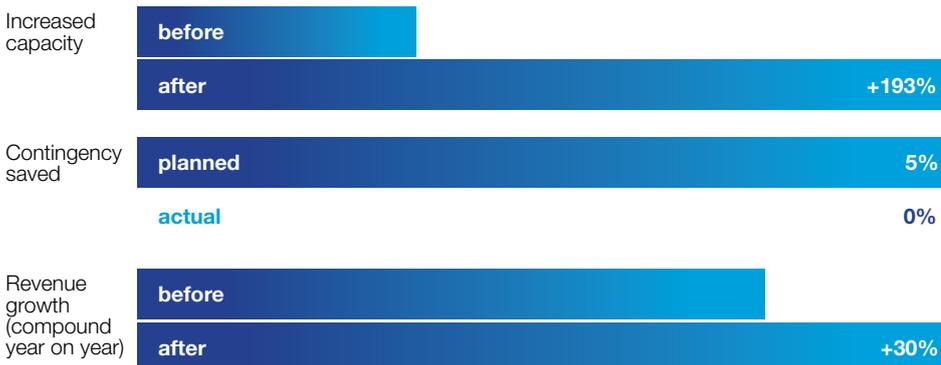
The building, architect and project have won several awards, including a SA Southern Region award for innovation and sustainability for "Best process improvement in a company's efficiency and or sustainability".

Client comment

[Advanced Focus] has played a critical role in ensuring the success of our major project. We appreciate the commitment of you and your team to our current needs and to ensuring the future competitiveness of REDARC in the global market.

Anthony Kittel - Managing Director, REDARC Electronics

Project benchmarks



Service checklist

The services indicated below were utilised in this project.

Knowledge

- Skills planning and development
- Management and workforce training
- Coaching and mentoring

Insights

- Strategy, innovation and change management
- Auditing and benchmarking
- Productivity identification and planning

Solutions

- Smart Factory® planning
- Project management and productivity intervention
- Direct management or technical resource (supply)

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