



engineering transformation

DEIVATEC
WATER & POWER AUTOMATION & ROBOTICS

“*Dematec* has been a trusted and reliable partner in the development and roll-out of our automated production facilities, assisting Philmac in maintaining its edge in the competitive water industry.”

Daryl Kelly, GM Operations and Logistics, Philmac





The Dematec team

engineering transformation

Dematec is a multidisciplinary engineering company specialising in industrial automation, robotics, water treatment and process control.

The growth and success of the company has been built from the groundwork of long term customer relationships. Founders Denise and Mark Stevens place a high emphasis on the client through maintaining a culture and environment where the best team is engineering the best solution. The development of Dematec's engagement and delivery methodology was centred around this value. OneTeamMethodology is about sharing responsibility, sharing the ownership of a challenge and trusting each other to embark upon calculated risk when required.

“ Engineering and business transformation are keys to the survival of modern companies. Manufacturing creates wealth, sustains jobs and remains a central part of the economic activity of Australia. Fuel and material prices are rising and are not going to retreat. We need to constantly strive to make more valuable products, to work safer and smarter and to manage our resources in a sustainable way. The future at Dematec is about the frontier of transformative engineering through robotics, automation, energy and water systems – it is a challenging and stimulating time to be in business. ”

David Hart, Managing Director, Dematec.

automation and control systems

Dematec works closely with its customers to get the best solutions to their production challenges, combining advanced systems technology and innovative design with practical and cost-effective applications. The company is committed to engineering transformation through utilisation of its broad spectrum of skills in electrical design and installation, control software integration, product sensing and identification, motion control applications, and data reporting and telemetry.

Dematec will tailor automation solutions to mutually-determined specifications, timeline and budget. The client is paramount and an essential member of the One Team Methodology.

Globally, Dematec has designed and installed systems for Australian companies in the UK, China, South Africa, Malaysia and Saudi Arabia.

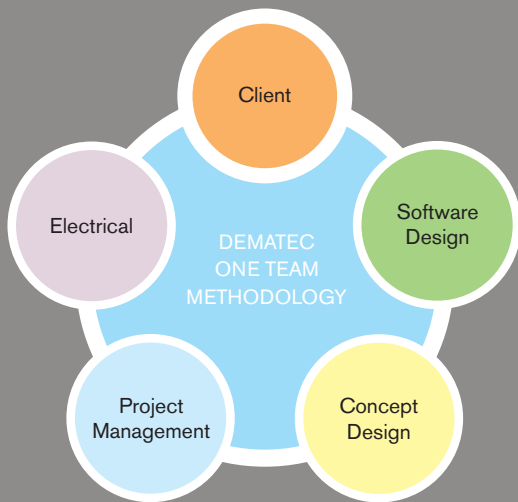
Water treatment and process control

Dematec's proven capability in process control recently expanded to water and waste water treatment systems, including telemetry, dosing control, instrumentation, pumping and reticulation.

Recent projects include the Glenelg to Adelaide Parklands (GAP) recycled water pipeline where Dematec provided design and commissioning services for electrical power and control systems to Leightons Construction. The Dematec team has experience in large scale pumping systems, chemical dosing systems, special purpose water industry equipment and project management skills in municipal water and waste water infrastructure projects.

Clean technology

Dematec's commitment to innovation led it to develop a focus on clean technology as an essential part of its electrical and power consultancy and its R & D program. Green infrastructure and manufacturing industries are the future and Dematec is developing its water and energy capability to share with its clients as wind, solar, bio-fuel, tidal and geothermal power generation and water treatment become elemental to the economic prosperity of our country. Dematec's CleanTech Group is rapidly developing expertise to cost-effectively attach CleanTech solutions to current industry practice.



Dematec's One Team Methodology

In recent years, Dematec has grown through introducing a range of skills to meet clients' more complex and challenging needs. The inter-operability of this wider skill base has proven enormously valuable. It is integrated within a customer focused framework to work with its clients in today's increasingly chaotic business environment. The multidisciplinary approach is called OneTeamMethodology.

It brings together the conceptual, software design and electrical skills and trades of the diverse Dematec team into a comprehensive, scale-able and fast-track project solution. As the company grew, OneTeamMethodology evolved from the family team approach with sound commercial values and client focus.

Defining roles and structure and managing time, personnel and budget are the project management fundamentals that are essential to good outcomes. Today, global, not partial, solutions are more critical than ever and Dematec's team approach is designed to reach across all disciplines with a common purpose to deliver best-of-breed solutions.

"Projects are more complex, risks are most-times greater, budgets are tighter and speed is paramount," says MD David Hart. "You have to be strategic in the provision of services that are typically growth- or survival-oriented. Australian companies have had to be robust to survive and most have responded positively to the multitude of technological developments in the past decade. With OneTeamMethodology, we are unifying our skilled people with a set of tools for creating opportunities or solving a particular problem for our clients. It gives us speed, flexibility and a purposeful dialogue with the customer."



Robotic systems

Dematec has a solid track record in Australia for the design and installation of robotic and sensing systems for the manufacturing and agricultural industries. Isaac Asimov coined the phrase “robotics” in 1941 and the short history of robots has been an exciting one at Dematec. Its expertise in software design, intelligent mechanics, sensing and electronics are aligned to provide industrial robots used to perform jobs safer, more accurately and reliably than humans and at lower long-term cost.

Dematec’s systems are widely used in assembly, processing, packing, and mass production of industrial and agricultural goods. Dematec also provides operator training and an around-the-clock maintenance and servicing program.

Recent examples include:

- product assembly; picking, sorting and packing; fruit, nut and vegetable cleaning, trimming and processing
- concrete spraying; automated welding and seam finding.

When founding Dematec, Denise and Mark Stevens made a conscious effort to base the new company on their family values, nurturing employees as Dematec prospered. They believed then as they do today that a cohesive teamwork approach relies on attracting the right people with a common set of values to continually improve through education and training, on the job, at university and TAFE.

Dematec offers undergraduate placements for student engineers as well as positions for newly graduated engineers from Adelaide University and the University of South Australia.

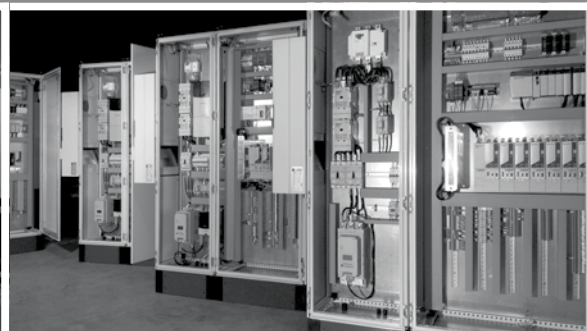
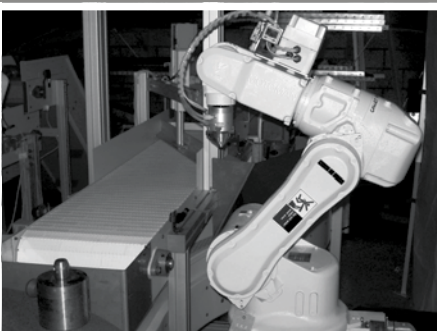
The name DEMATEC is delightfully uncomplicated. It is simply derived from the first two letters of the founders, Denise and Mark Stevens, with TEC reflecting the role of modern technology in the engineering company. The brand promise espoused by Denise and Mark when they incorporated the company remains fundamental to the success of Dematec. It is a trusted name and proving to be a valuable asset as the company grows in Australia.

Services

- Industrial automation and process control
- Project management and consulting
- Factory systems and process audits
- Water treatment automation and process control
- Scheduled and breakdown maintenance programs
- Maintenance audits and solution development
- Robotic systems
- Factory networking and production monitoring
- Electrical and power consultancy
- R & D for automation of manual processes

Industries

- Manufacturing and automotive
- Water and infrastructure
- Food and beverage production
- Agricultural processing
- Power and clean technology energy
- Defence
- R & D



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