



CAPABILITY STATEMENT

September 2018

Hunter Valley, New South Wales, Australia
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Company Statistics

Seven Solutions Pty Ltd is a sister company to Reliability Extranet Pty Ltd. The company was created to provide implementation services to the global market by the author of the '5 Habits of an Extraordinary Reliability Engineer', Peter Horsburgh.

- Seven Solutions Pty Ltd
- Established in 2018
- Based in New South Wales, Australia
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Services

Peter Horsburgh provides consultancy services to government and industrial sector organisations.

Peter's services focus on two main areas:

- **Evaluation and review of reliability and maintenance improvement services, programs, and projects to identify effectiveness, impact, and areas of improvement.** Peter has conducted works across a broad range of industries including transportation, petrochemical, utilities, mining, and manufacturing. He has been exposed to many corporate software tools such as SAP, Ellipse, Maximo and Power BI. He is familiar with emerging technologies such as the Internet of Things (IoT) and predictive analytics.
- **Collaboration with clients in an industrial environment to diagnose issues with the plant, people, or processes, as well as to find solutions and implement changes.** Typically, these issues are complex and affect multiple parts of the organisation and involve diverse stakeholders. A client may need a new approach, strategy, or framework to: guide a specific area of reliability, develop a comprehensive issues paper, or to undertake a scoping study to inform future directions. Peter has worked on a plethora of these complex issues in many industrial organisations. He has designed and helped implement reliability improvement processes and projects like loss elimination, root cause analysis (RCA), predictive maintenance, predictive analytics, and availability simulation.

About Peter Horsburgh

Peter “Seven” Horsburgh is an industrial reliability expert, speaker, and author. Through his previous roles and his consulting work over the past 15 years, Seven has developed a deep understanding of the industrial reliability operating environment, including their business systems, processes, people, passion, and politics of the sector.



Following an extensive career in both private and government owned enterprises in utilities, mining, consulting, and manufacturing in New South Wales and Queensland, Australia, Seven has successfully transitioned to a solo consultant in 2018. Seven has experience at many levels, from supervising and managing work through to corporate presentations. Prior to consulting, his most recent positions were:

- Senior reliability engineer for Tomago Aluminium. The role was to lead the organisation into reliable operations and reduce maintenance overheads. He led a number of initiatives that included: loss elimination, strategy improvement, business analytics, and condition monitoring.
- Reliability training manager for ARMS Reliability. Peter delivered reliability training across the globe in strategy development and RCA.
- Principal reliability engineer for ARMS Reliability. Provided consulting services in RCA, reliability modelling, strategy improvement, and equipment condition management.

Additionally, Seven worked as an engineering manager for a consultancy and a maintenance manager for a power generating utility.

Seven is passionate about organisations delivering plant reliability so that they can be sustainable in the long term. They need to get the most out of the physical assets they invested in to save money and resources over the long term. The key to this outcome is the reliability engineer. Seven’s goal is to “Empower reliability engineers with the right knowledge, tools, and data so they are enabled, equipped, and justified”. He understands the challenges and complexities faced by reliability engineers, and thrives in environments where critical thinking and insightful communication is required.

Consulting Strengths

Seven’s consultancy strengths are summarised below:

- **A deep understanding of industrial reliability systems and methods** – Seven knows how to apply and sustain them with respect to people, plant and processes.
- **Advanced project scoping skills** – Seven is an expert at taking a client briefing and working it into a clear, concise, and realistic project scope.
- **High-level project management skills** – Seven will deliver high value on budget and on time, every time.
- **Exceptional stakeholder consultation skills** – No matter what the subject matter or context, Seven can consult effectively with diverse stakeholders to get to the crux of

a problem and identify solutions that will have stakeholder buy-in. Seven has worked with hundreds of stakeholders including senior executive staff, academics, service managers, project staff, administrative staff, engineers, as well as skilled and non-skilled workers.

- **Extensive experience in review and evaluation** – Seven’s experience ranges in scope from international organisation to small, localised projects and pilot initiatives. Seven’s particular strength is in quantitative evaluation. He is not limited to just numbers, as he can also conduct qualitative evaluations when required.
- **Capacity to distil comprehensive findings** – Using critical thinking to analyse complex problems and diverse issues, Seven consistently delivers findings that resonate with the client, address the priority issues, and clearly signpost actions and next steps.
- **Exceptional report writing skills** – All reports are produced succinctly and in plain English. Recommendations are clear, realistic, and framed appropriately for the organisation and the environment.
- **High-level facilitation skills** – if a workshop is required as part of a project, Seven is very effective in working with large groups to bring divergent thinking and disparate views together to find workable solutions.
- **A strong collaborative approach to working with clients** – Seven is always balancing the need for flexibility with the need to manage expectations, budget, and timeframes. He spends time with clients at the outset to make sure he understands their specific issues and needs, then prepares a tailored presentation and quote.

Track Record

Being involved in reliability engineering for over 15 years (and engineering in general for 20 years) Seven has worked or consulted at some major industrial organisations in Australia and the world. Here are some examples:



pure kiwi mettle



“Peter is a high-energy speaker delivering interesting easy-to-follow content. He delivers his material with strong structure, with clarity, and with a level of enthusiasm that people find very engaging.”

Peter Todd, Reliability Engineer

“Hope you enjoyed your visit; you have helped turbo charge the pace of some of our improvement work.”

Operations Manager, Manufacturing

Consultancy Project Examples

As a solo consultant, Seven primarily undertakes projects that are small to medium in scope. In the event that a project turns out to be larger than expected, or requires additional expertise or resources, Seven brings in consulting associates.

Here are some examples of projects undertaken over the last few years:

Industry	Project
Manufacturing	Evaluation of condition monitoring program to identify improvement opportunities.
Mining	Business analytics to determine reduction in costs due to condition improvements.
Manufacturing	Deployment of Microsoft’s Power BI and report server to quickly improve production and maintenance processes.
Manufacturing	Implementation of ‘loss elimination’ to improve manufacturing operational performance.
Mining	Implementation of an oil condition monitoring program and management of resulting plant improvements to reduce overhaul costs and extend plant life.
Mining	Designed an improved maintenance strategy for a dragline that reduced costs and increased availability.
Mining	Designed maintenance strategy with OEM for newly released underground miner.
Manufacturing	Managed project to implement the IoT in devices and predictive analytics to reduce maintenance labour requirements.
Petrochemical	Facilitated RCA on large tank seal failure to determine the ‘unknown’ cause.
Manufacturing	Managed upgrade to fuel tracking system with view of implementing usage-based maintenance to reduce routine maintenance costs.
Utilities	Calculated the availability capacity of a multiple-unit power station for energy-contracting certainty which increased revenue.

Further information and/or referees can be provided in relation to individual projects on request.

Contact Seven

If you would like to discuss a project, please contact Seven (Peter Horsburgh) directly.

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