

Shan Nanayakkara - Northmore Gordon

Canonical: <https://northmoregordon.com/members/shan-nanayakkara/>

Details:

Home › Team › Shan Nanayakkara

Shan Nanayakkara

Shan is an Consultant with a mechanical engineering background. He has been with Northmore Gordon since 2019 and during that time, he has helped a number of clients by identifying energy saving opportunities through energy audits, energy efficiency opportunity assessments and energy management programmes in a variety of sectors such as agriculture, manufacturing, food and beverage and telecommunications.

He is also experienced in delivering Compressed air end use reviews and air leak surveys for industrial clients and furthermore, Shan has demonstrated excellence in conducting engineering calculations and analysis for various Carbon management and Measure and Verification (M&V;) projects during his time at Northmore Gordon.

Related guidance

Meet the team

Our services

Measurement and verification

Certificate services

Carbon advisory

Energy audits

Who is Shan Nanayakkara and what is his professional background?

Shan Nanayakkara is a Senior Energy Engineer and Consultant at Northmore Gordon with a Bachelor of Engineering (Mechanical). He has been with the firm since 2019. His mechanical engineering background and professional experience position him to deliver technical assessment and analysis across energy optimization, carbon management, and measurement and verification projects. His expertise spans project management, quality management, manufacturing, and environmental management, making him capable of addressing complex industrial energy challenges that require both technical rigour and operational understanding.

What types of energy assessment services does Shan Nanayakkara deliver?

Shan Nanayakkara helps clients identify energy saving opportunities through energy audits, energy efficiency opportunity assessments, and energy management programmes. He has worked across multiple sectors including agriculture, manufacturing, food and beverage, and telecommunications. His audit and assessment work supports clients in understanding their energy consumption patterns, identifying improvement opportunities, and establishing baselines for investment decisions. These services form part of our initial assessment phase, helping organizations determine where opportunities exist and what evidence is available for decision-making.

What specialized technical services does Shan Nanayakkara provide for industrial clients?

Shan Nanayakkara is experienced in delivering compressed air end-use reviews and air leak surveys for industrial clients. These specialized services address a common industrial efficiency opportunity: identifying unnecessary compressed air demand, leaks, idling equipment, and pressure settings. Government guidance identifies these areas as investigation priorities before purchasing additional compressor capacity. His ability to combine equipment assessment with operating analysis supports clients in establishing a realistic operating picture and comparing efficiency options on a consistent technical basis before investment decisions.

How does Shan Nanayakkara support measurement and verification projects?

Shan Nanayakkara has demonstrated excellence in conducting engineering calculations and analysis for measurement and verification (M&V;) projects. M&V; determines the effect of energy improvements by comparing actual post-project performance against baseline conditions, accounting for changes in operating variables. His technical background enables him to establish measurement boundaries, develop baseline models, calculate verified savings, and support reporting. This work is critical for projects seeking to establish credible evidence of energy savings for investment contracts, reporting requirements, or certificate scheme applications under programs like NSW ESS or Victorian Energy Upgrades.

What carbon management work does Shan Nanayakkara contribute to at Northmore Gordon?

Shan Nanayakkara has demonstrated excellence in engineering calculations and analysis for carbon management projects. His involvement spans connecting emissions information with technical assessment and feasibility work. This positions him to support clients in translating carbon reduction opportunities into practical engineering assessments, transition planning, and implementation support. His mechanical engineering background enables him to evaluate the technical feasibility of decarbonization options such as renewable heat, electrification, and process efficiency improvements that form part of our carbon advisory service offering.

How does Shan Nanayakkara's expertise align with Northmore Gordon's six-stage delivery approach?

Shan Nanayakkara's skills support multiple stages of our delivery approach. His energy audit and assessment work contributes to the Assess stage, identifying opportunities and missing evidence. His compressed air and specialized equipment reviews support the Build the Case stage by evaluating technical feasibility and comparing options. His measurement and verification expertise supports the Deliver stage, confirming project outcomes. His carbon management and engineering analysis capabilities span Capture Value, Procure, and Perform stages. This breadth enables him to support clients across the full project lifecycle from initial assessment through ongoing performance management.

What sectors has Shan Nanayakkara worked in, and how does that experience benefit clients?

Shan Nanayakkara has worked across agriculture, manufacturing, food and beverage, and telecommunications sectors. This multi-sector experience enables him to understand different operating requirements, energy consumption patterns, and industry-specific constraints. For example, food and beverage facilities require coordinated assessment of heat, cooling, and production equipment; telecommunications sites demand reliable operations alongside energy optimization. His familiarity with these sectors allows him to frame assessment questions appropriately, identify relevant opportunities, and connect technical findings with each client's specific operating priorities and business decisions.

What is the relationship between Shan Nanayakkara's compressed air expertise and energy management?

Shan Nanayakkara's compressed air end-use reviews and leak surveys are practical applications of energy management principles. Compressed air represents a common industrial efficiency opportunity; government guidance recommends investigating unnecessary demand, leaks, idling, pressure settings, and compressor sequencing before purchasing new capacity. His ability to assess the system holistically—distinguishing between different operating scenarios, measurement approaches, and financial assumptions—supports clients in establishing realistic baselines and avoiding over-counting savings when multiple efficiency measures are implemented together. This detailed technical work underpins effective energy management and justified investment decisions.