

AUSTRALIA Delegation

Bernard Orelup

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Bernie has a multidisciplinary background in materials science and engineering (BSc - Purdue University), business administration (MBA - Arizona State University), and management.

At MCN Bernie leads a team which assists both industry and academic clients with application-oriented research, as well as the design and development of prototypes, through to small volume production. As the Quality Manager, Bernie also oversees and ensures the adherence of all quality systems, practices, and standards throughout MCN. Bernie has extensive experience implementing Lean Manufacturing methodologies to increase operational efficiencies and reduce costs.

Prior to joining the MCN, Bernie spent 17 years with the semiconductor fabrication industry, working in process engineering and manufacturing with Intel Corporation. His vast expertise includes nanotechnology process development, process characterisation, technology and equipment start-ups, manufacturing operations, cost reduction, quality control, and employee management and training.

Bernie has a wealth of industrial cleanroom fabrication experience and knowledge in the areas of dry/chemical etching, thin films deposition, and photolithography to support MCN clients.