

The background of the page is a soft, orange-tinted photograph of a desert landscape. In the foreground, there are rolling sand dunes. In the middle ground, several tall utility poles with cross-arms and insulators are visible, receding into the distance. The sky is a pale, hazy orange, suggesting a sunrise or sunset. The overall mood is serene and expansive.

**BUILDING CONSTRUCTION
TECHNOLOGY ROADMAP**

Preface

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The origin of this Technology Roadmap began with the realisation by the representatives of the Copper Industry in Australia that, with the emergence of new technologies, it was important to look ahead to the changes that were likely to occur over the next 20 years in one of its largest market sectors – the Building Construction Industry, which uses up to 60 per cent of the world's total copper output each year.

The results of such a “look ahead” study would enable technology suppliers, both within and outside the copper industry, to focus better on future opportunities and to develop their products to meet the emerging market.

In mid-2003, the Copper Development Centre of Australia (CDC), representing copper miners, refiners, manufacturers and distributors, and supported by the InnovationXchange Network, developed the Building Construction Technology Roadmap Project. Subsequently, the CDC signed an agreement with the Australian Department of Industry, Tourism and Resources (AusIndustry) under the Innovation Access Program to collaborate on this industry-led, government-supported undertaking. Its objective was to explore new and emerging technologies as they will affect the infrastructure and building construction industries in 20 years' time, with particular reference to home building, and including, but not limited to, applications for technologies involving copper.

The project would call on participation by a wide range of building industry stakeholders, and the outcomes would, on completion, be disseminated throughout the industry, including to small and medium enterprises (SMEs).

In early 2004, The Warren Centre for Advanced Engineering, a not-for-profit institute attached to the University of Sydney, was engaged to manage the project.

This document is the output of that project and records both the methodology and the content of the project.

John Fennell
CEO
Copper Development Centre

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END

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