Résumé of

JOHN REELICK

John is widely regarded as one of New Zealand's leading experts in timber poles and related construction technologies. A qualified engineer, John has been in the timber pole industry for more than 25 years. He has pioneered a number of innovative uses of timber poles, as well as methods of preparing poles for use in construction. He has initiated several successful start-up ventures in areas relating to the use of timber poles in construction, and is a sought-after speaker at industry events.

WORK HISTORY

Timberlink Industries (1987 – 1995)
Director/Shareholder

After graduating with honours from the University of Auckland, John established Timberlink to provide a comprehensive service to the construction industry for the design, certification and installation of timber pole foundations. John and the design team he formed built a reputation as the 'go-to' team for piling and foundation solutions on difficult or complex sites throughout the North Island. Projects undertaken by Timberlink included constructing building platforms up to three stories above ground level. Poles up to 30m were used, and piles were driven to depths of 40m at times, using pole jointing systems developed by John. A notable project completed by the company was the Arataki Visitors Centre in Titirangi for the (then) Auckland Regional Council.

TTT Products Limited (1993 – present)
Unilog Buildings (1995 – present)
Director/Shareholder

An issue increasingly encountered by John at Timberlink was the availability of high-quality, construction-grade timber poles. To solve this problem, John purchased the business of Timpro (in receivership) and began a series of pioneering innovations in timber pole preparation, preservation and testing, as well as a series of related engineering innovations, which has led to the successful application of timber pole technology in a wide range of construction settings.

At TTT, John has designed and implemented systems from scratch for the manufacture of consistently high-quality timber poles using radiata pine. All of the company's

systems use integrated quality management methodologies developed in-house. An example of the company's innovation is the design and development of a pole testing machine which is routinely used to test both the strength and the stiffness of poles (TTT is the only company in New Zealand with this capability). Other initiatives which John has driven include—

- the TTT multipole system, a unique process developed by John which hollows out the core of a pole, creating a number of advantages in the treatment of the product, much-improved functionality for the product, and benefits deriving from the reduced weight of the product;
- the Unilog building system, a pole-frame-based construction system incorporating proprietary moment-resistant engineering fittings designed by John;
- the development of a system for water-jetting multipoles into the ground to depths of up to 30m, with practical and economic advantages over conventional systems;
- new approaches to the chemical loading and fixing of products;
- the design and construction of timber-pole towers up to 45m in height, incorporating purpose-designed brackets and fittings, weighing only 20% of a standard steel-constructed tower, for use in industries such as communications;

John managed TTT's participation in a joint-venture tender with Carter Holt to design, manufacture and supply dwelling platforms for 5,000 residential units in the 'Palm Jebel Ali' project in Dubai. This involved supplying product which could be used in 10m of water to create a building platform 5m above the water, capable of withstanding impact loads of up to 1,000 tonnes. John developed product specifications and treatment processes (including plastic-coating of poles) designed to give each installation a 75+-year lifespan.

John also designed a Unilog bridge system, one application for which was a roading structure over a swamp which entailed a system of piles, headers and beams prefabricated to 'click' together onsite, made with machinery custom-designed by John.

Under John's leadership, TTT's turnover has increased approximately seven times and it has become one of the preferred suppliers of timber pole solutions in New Zealand.

QUALIFICATIONS

Bachelor of Engineering (civil) with honours, University of Auckland, 1986.

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