

Brian Burton

B. Eng (Electronics)

Brian is a Senior Engineer with 3E Consulting Engineers Pty Ltd, a Perth WA consultancy specialising in electrical and NBN services to the development industry. He has 30 years' experience in communications engineering in Australia and overseas covering most aspects of the telecommunications network.

Specialisation

Access Network Services to the land development industry, Building Services and Mining Town Infrastructure

Position in Firm

Senior Engineer

Key Experience

Currently a Senior Engineer with 3E Consulting Engineers Pty Ltd, a professional firm of consulting engineers specialising in the delivery of electrical and communications design to a wide range of infrastructure and development projects. Was previously the WA Regional Network Manager at Telstra.

Current experience and expertise is in Government, National Broadband Network (NBN) Co and Telecommunications policy in relation to the NBN rollout, NBN access network master planning, design of underground reticulation to residential, industrial and commercial land development projects, specialising in underground pit and pipe and power coordination standards, building services, communication service studies to urban, rural and remote communities and construction phase project assistance.

Education and Professional Status

- Bachelor of Engineering (Electronics) - University of WA

Project Experience

Access Network Planning – Distribution Network

- Vale Development ~ 3,800 lots
- St Leonards ~ 3,000 lots
- Wickham ~ 1,500 lots
- Port Coogee ~ 1,900 lots
- Parkland Heights ~ 1,700 lots

Access Network Design – Local Network - Land Development Industry - Subdivisions

- The Vale Estate, Ellenbrook, 440 lots
- Wickham South Development ~ 500 lots
- St Leonards Estate ~ 500 dwellings
- The Village at Wellard ~ 110 lots
- Parkland Heights ~ 270 lots
- Port Coogee ~ 150 lots

Telecommunications Network Maintenance

- Established maintenance organisation for Telstra WA State core network
- Maintenance of switching, transmission, optical fibre, power, access electronics, digital radio systems, voice, data, IP network infrastructure and building facilities
- Emergency Services Management
- Significantly raised work order completion rates and reduced network fault rates

Network Planning, Design and Project Management

- Project specification for 5 year Perth metro network modernisation programme ~ 600,000 services
- Project specification for WA access network copper & fibre cable, electronics, transmission, capital budget and material forecasting
- Project Management of WA Optical Fibre, Broadcast Network maintenance and Commercial Projects
- Project planning, specification and costing of telecommunications infrastructure for complete rebuild of Medina Central Business District - Saudi Arabia – 600 high rise buildings - \$130M AUD