

Professional Profile

Jim Bilessuris

Jim is a Perth based engineering consultant, who specialises in the design of materials handling plants and associated infrastructure.

Since graduating with a Bachelor of Engineering (Mechanical) in 1984, Jim has held senior positions in both technical and managerial roles. His 25 years of professional engineering experience has included working for major consultants and contractors in the mining and processing industries, especially those associated with the Western Australian Iron Ore Industry.

Jim's areas of expertise cover both the conceptual and detail design of materials handling plants and associated infrastructure, from mine processing (crushing, screening, sampling, stockpiling and trainloading), through to port works (train unloading, stockpiling, reclaiming, shiploading with various marine infrastructure). Along with this plant and infrastructure work, numerous conveyors and transfers of significant size and complexity have been designed.

Major projects include:

- Channar Iron Ore Project (RTIO), included 2 x 10km overland conveyors
- Nelson Point South Yard Expansion (BHPIO), included several large high capacity plant and stockyard conveyors
- Direct Reduced Iron (BHPIO), included the BHPIO Under Harbour Tunnel Conveyor (1325m long with a 43m drop & 50m lift)
- Dampier Port Upgrade (RTIO), included the upgrade, replacement and addition of stockyard and shiploading machines and conveyors.
- Pilbara Iron Ore and Infrastructure Project (FMG), included the Cloudbreak Dry Ore Processing Plant and the associated conveyors.

He has held the following senior positions:

- Sandwell Services Pty Ltd – Principal Materials Handling Consultant
- Calibre Projects – Engineering Manager – RTIO 320 Expansion Project
- Worley Parsons – Principal Materials Handling Engineer, Engineering/Design Manager – Fortescue Metals Group
- MPDJV – Lead Mechanical Engineer - BHPBIO
- Clough – Manager Minerals for CEIS, Clough's Study Group
- Clough/Sandwell – Senior Mechanical Engineer - RTIO
- BHPE – Senior Mechanical Engineer - BHPIO