

Recent Projects

- Plutonic Gold - Telemetry system review
- WMC Mt. Keith - Telemetry system review
- OMG Cawse Mine - site radio analysis and upgrade recommendations.
- Bayu Undan Gas Platform - Start Up and Operational manuals.
- Bayu Undan Gas Platform - final stage design of antenna layouts, racking, and interfaces.
- Anaconda Nickel - Murrin Murrinn mine - RF interference analysis.
- WMC Resources Olympic Dam - system analysis of the underground remote rail haulage system.
- WMC Resources Leinster Rocky's Reward Mine - Project Engineering of the surface and underground radio communications system.
- East Spar Alliance - commissioning engineering of the Varanus Island to NCC buoy radio data communications system.
- WMC Resources Leinster Perseverance Mine - Project Management of the surface and underground radio communications system.
- WMC Resources Kambalda Nickel Mine - surface radio system survey.
- Newcrest Mining Telfer - commissioning engineering of the underground radio communications system.
- Bayu Undan Gas Platform - final stage design of fibre optic backbone and network distribution.
- The development and installation of the Amcom Telecommunication network which comprised of approximately 400 kilometres of fibre optic cabling and approximately 30 POP sites within the Perth, Adelaide and Darwin metropolitan areas.
- WMC Resources Leinster Perseverance Mine - fibre optic and PABX extensions (underground).
- Worsley Alumina Boddington Gold Mine - PABX upgrade.
- Bayu Undan Gas Platform - final stage design of PABX and MDFs. Confirmation of microwave design and expected performance and BER.
- Worsley Alumina Boddington Gold Mine - PABX upgrade.
- WMC Resources Leinster Perseverance Mine - fibre optic and PABX extensions (underground). WMC Resources Mariners / Wannaway - microwave and PABX system.
- WMC Resources Wannaway / Miitel - microwave and PABX system.
- Bayu Undan Gas Platform - final stage design of video, television distribution with retransmission, plus audio network including projected PA performance in high noise environments.
- Woodside - Television retransmission system re-design.
- WMC Resources Kambalda Nickel Mine - main office public address system design.
- WMC Resources Leinster Perseverance - underground video system integration design.
- Christmas Island Resort Casino - video system installation.

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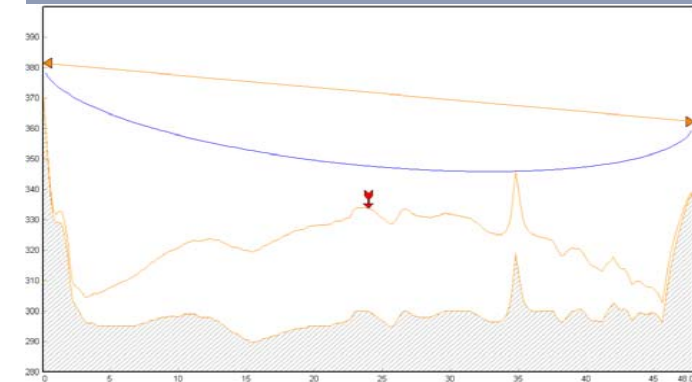
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KEY SERVICES

C-Tech is a communications engineering company based in Perth, Western Australian (ACN 072 057 679).

C-Tech was founded in 1984 to provide communication system engineering and technical services for the electronics, computer and telecommunications industry.

C-Tech's success is primarily attributed to it's engineering expertise and independence from all vendors and suppliers.

C-Tech does not sell or recommend any individual supplier equipment and does not benefit from any recommendations accepted by our clients.

C-Tech's main objectives are;

- to provide our clients with as many alternative engineering solutions as practically possible that conform to the clients requirements,
- maximise the clients economic return,
- ensure the highest level of technical efficiency for the client.

The consultancy services offered include independent objective analysis, constant project performance monitoring through involvement and a complete turnkey delivery to clients.

RADIO

Radio and telemetry system design in the HF, VHF and UHF spectrums. Voice and data radio modelling.

C-Tech has developed "in-house" computer radio models which allow communication simulations on the surface and underground. During a project research phase, these models are invaluable in providing a working practical solution before expensive mistakes.

C-Tech ensures the validation of project engineering designs before implementation by conduction field surveys.

C-Tech can provide on-site personnel for Project Management and supervision of contract staff on a day to day basis and Client summary confirmations of project milestones.

Commissioning services include factory acceptance testing, installation testing and system integration testing. Stringent performance commissioning by an independent arbitrator ensures a maximum safety zone and return for the Client.

- Two-Way Voice Radio
- Microwave Radio
- Signal Strength Measurement & Verification
- Radio Traffic Monitoring & Load Analysis

PABX / FIBRE OPTICS

C-Tech project and installation management services include permit negotiations between the vendor and the client to comply with ACA and relevant city / town requirements.

C-Tech services include computer path loss calculations for optical fibre and data communication design.

C-Tech ensures CCITT compliance for system integration between various supplier equipment types.

Our engineering expertise guarantees correct sizing of PABX systems for current and future traffic usage.

Up to date system knowledge protects Clients from purchasing "aging" supplier equipments and makes future selection assured.

MICROWAVE

C-Tech specialises in providing Layer 1 and Layer 2 engineering services.

C-Tech services include computer path loss and path profile calculations for microwave systems.

C-Tech ensures CCITT compliance for system integration between various supplier equipment types.



Tech
Telecommunications

Telecommunications consultants providing technology and business solutions within Australia and the Asia-Pacific region.

Oil and Gas - Mining - Corporate - Government - Defence

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