

ENERGY & UTILITIES

Thermal generation decommissioning and demolition, ash dam closure and capping, transmission infrastructure, and the civil enabling of renewable energy generation assets.

THE CHALLENGE

Australia's coal fired generation assets are being retired faster than the National Electricity Market originally forecast, with investment in new renewable generation projects and rooftop solar transforming Australia's energy grid. Operators face significant challenges with each closure, including material balance sheet liabilities; highly sensitive and politically charged workforce transition planning; and future site uses involving the rapid development of replacement generation or grid-scale storage assets.

- Large-scale, structurally complex plant – boilers, precipitators, stacks, cooling towers, switchyards
- Asbestos-dominant hazmat profile compounded by heavy metals, PCBs, hydrocarbons and PFAS
- Ash storage facilities – containment and capping with long-term monitoring obligations
- Duplicated or upgraded transmission infrastructure to support a broader interconnected energy network.
- Tight execution window between cessation-of-generation and enabling of replacement generation or grid-scale storage assets

THE CMA SOLUTION

Closure execution at thermal-fleet scale

Integrated program delivery for full power station closure, from first isolation through to handover and future-use of land. Self-perform capability across decommissioning, decontamination, demolition and disposal, including specialist civil earthworks capability for ash dam capping, containment cell construction, site drainage, and site preparation for future use – delivered under one integrated HSEQ system.

Engineered methodology development for live-asset constraints

Proven track record for planning, managing and delivering on closure of legacy infrastructure and supporting Operators with their regulatory and environmental approvals. Detailed methodology development and structural engineering capabilities address site specific challenges of deteriorated, legacy infrastructure within live operating facilities where mitigating disruptions to BAU is paramount. Specialists in explosive demolition, engineered induced collapse methods, and deconstruction/dismantlement techniques – validated with detailed modelling and independent third-party verifications.

Closure-to-replacement civil enabling

Continuity of personnel and program – from closure, rehabilitation and earthworks to the delivery of replacement infrastructure, including BESS pads, transmission tower foundations, switchyard reconfiguration, substation civil and grid connection, enabling and wind turbine foundations, in ground services, and supporting infrastructure. The repurposing program runs continuously with the closure, under one accountable contractor to accelerate schedule and a swift energy switch; not as a separate downstream contracts or contractors requiring remobilisation, retendering and a new HSEQ interface.

Tailored Sector Capabilities

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| Closure planning and risk management | Heavy metals, and refractory removal |
| Asbestos abatement at industrial scale | Metals salvage, recovery and recycling |
| Coal and gas fired infrastructure demolition | Ash dam capping and containment cell construction |
| Bulk earthworks for replacement generation pads | Battery Energy Storage System (BESS) civil enabling |
| Site civil reinstatement for re-purposing | Transmission tower foundation civil construction |
| Infrastructure decommissioning | |

PROJECT PORTFOLIO



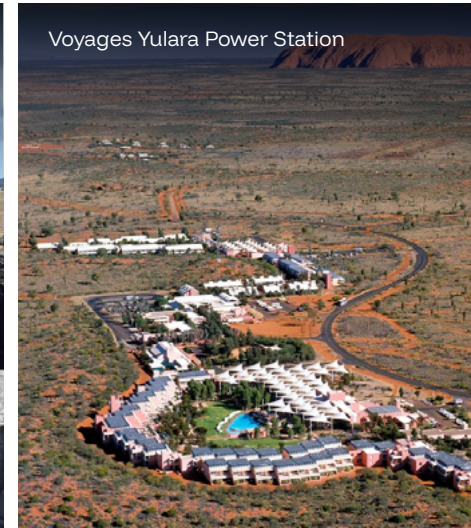
ENGIE Hazelwood Power Station Stack Falls



AGL Liddell Power Station
Ash Dam Capping



AGL Loy Yang Power Station



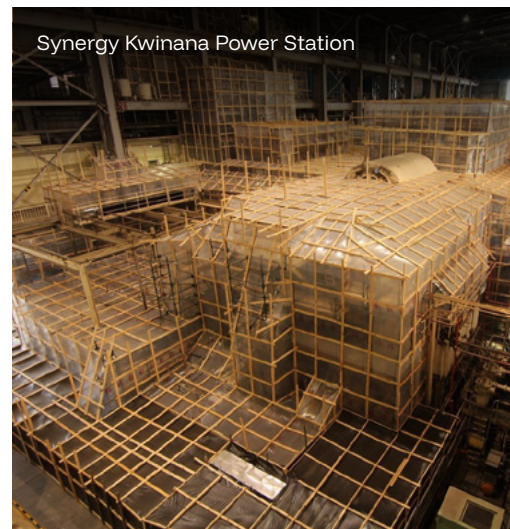
Voyages Yulara Power Station



AGL Liddell Power Station
Stack Falls



AGL Liddell Power Station Sedimentation Basin



Synergy Kwinana Power Station



ENGIE Hazelwood Power Station
Boiler Houses