



Our Tunnelling Capabilities

Overview:

At **CivKura Pty Ltd**, we offer a comprehensive suite of tunnelling services designed to meet the diverse and dynamic needs of our clients across various sectors, including **underground mining, infrastructure development, and utility installations**. Our extensive capabilities are backed by **advanced technology, skilled personnel**, and an unwavering commitment to **safety, efficiency, and high-quality execution**. We specialise in both traditional and specialised tunnelling methods, ensuring that every project is delivered with **precision, reliability, and minimal disruption**.

Key Tunnelling Services:

1. Raise Boring

CivKura's raise boring services are designed to create vertical and inclined shafts with high precision for a range of applications, including **ventilation, access, and material handling**. Our team utilises state-of-the-art raise boring equipment that ensures safe, reliable, and efficient operation, even in challenging ground conditions. Whether for mining operations, ventilation shafts, or infrastructure projects, our raise boring techniques are effective for providing safe and secure underground access points, critical for the ongoing functionality of any project.

2. Ventilation Systems

We specialise in designing and installing custom **ventilation systems** tailored to the specific needs of each tunnelling project. Ventilation is a crucial element for maintaining air quality, safety, and comfort in underground spaces. CivKura ensures that our ventilation systems meet stringent safety standards, supporting optimal airflow and air circulation to mitigate risks associated with dust, heat, and dangerous gases. Whether for mining tunnels, utility shafts, or civil infrastructure, we design scalable and efficient solutions to enhance operational safety and meet environmental compliance.

3. Pumping Solutions

CivKura offers **dewatering and pumping solutions** to manage groundwater and ensure stable working conditions during tunnelling operations. Our specialised pumping services are critical for controlling water ingress in underground projects, maintaining dry conditions, and preventing delays caused by excessive water. Whether for tunnel construction, mining operations, or infrastructure projects, we implement highly effective pumping solutions to control water flow, prevent flooding, and safeguard both the workforce and the integrity of the tunnel.

4. Tunnelling for Infrastructure & Mining

We offer customised tunnelling solutions for a wide range of applications, including **utility installations, water and sewage systems, transportation tunnels, and mining infrastructure**. CivKura's experience spans both urban and rural tunnelling, delivering cost-effective, reliable, and safe solutions for clients across various industries. From the installation of underground utilities to the construction of complex transportation tunnels, our team is adept at designing, constructing, and maintaining tunnels that meet the highest industry standards while adhering to timelines and budgets.





5. Underground Development & Production

CivKura has extensive experience in **underground development and production** for both mining and civil infrastructure projects. Our services include excavation, rock bolting, concreting, and the construction of underground structures. We specialise in creating efficient and safe workspaces for the ongoing production and development of underground facilities. From initial development to long-term operational production, CivKura is equipped to handle all aspects of underground mining and construction projects with precision and reliability.

6. Drill and Blast

CivKura provides **drill and blast services** for underground mining and tunnelling projects. Our experienced team uses advanced drilling and blasting techniques to break rock and create controlled excavations. We ensure that all drill and blast activities are executed with the highest safety standards and efficiency, optimising tunnel development and minimising risks. This service is essential for projects requiring rock fragmentation and shaping, allowing for precise control over the excavation process while maintaining project timelines and budget.

Kelly Burke's Experience in Underground Mining and Tunnelling

Kelly Burke, Managing Director of CivKura Pty Ltd, brings several years of experience working in **hard rock underground mines** in **Northwest Queensland**, where he oversaw **production, development, and my services**. Kelly has managed projects involving the development of over **2 kilometres of tunnels each week**, providing him with extensive hands-on experience in tunnelling operations. His responsibilities included managing complex processes such as **jumbo drills, truck and loader fleets, rock bolting, concreting, and drill and blast** activities. He has also overseen the process of **filling underground bulkheads** and backfilling with paste to support ongoing operations. This wealth of practical experience makes Kelly a highly skilled leader in tunnelling and underground development.

Our Approach to Underground Projects

CivKura's approach to underground and tunnelling projects is founded on **strong principles of safety, efficiency, and collaboration**. We believe that every successful tunnelling project begins with careful planning and continues with rigorous execution and post-project support. Here's how we ensure the success of each project:

- **Safety First:** Safety is our highest priority. We follow industry-leading safety standards, conduct regular safety audits, and continuously train our team to ensure all work is completed in a safe environment. Our protocols are designed to minimise risks to workers and the surrounding environment, ensuring the protection of both personnel and project assets.
- **Efficient Execution:** At CivKura, we understand the importance of time and cost efficiency. Our team ensures that each project is completed on schedule and within budget by leveraging cutting-edge technologies, experienced personnel, and effective project management techniques.
- **Collaboration with Clients:** We take a collaborative approach to every project, working closely with clients to ensure their needs are met at every stage of the process. Our team is committed to transparent communication, providing regular updates and seeking client feedback to ensure the successful delivery of each project.
- **Continuous Monitoring & Quality Control:** Throughout the tunnelling process, we continuously monitor progress, conduct quality checks, and adjust strategies as needed to ensure optimal outcomes.





CIVKURA PTY LTD

Civil Knowledge

Our commitment to high-quality workmanship and materials guarantees that each project meets both industry and client-specific standards.

- **Post-Project Support:** We believe that the completion of a project is just the beginning. After a tunnelling project is completed, CivKura provides ongoing maintenance and support, ensuring that the infrastructure remains safe, efficient, and functional for years to come.

