We offer a diverse range of ventilation services for tunnels and industrial applications. Our integrated teams are equipped with industry-leading knowledge from design to construction, commissioning and maintenance in a range of environments including road, rail, wastewater and services tunnels.

Here’s what we do:
• Design tunnel ventilation systems to maintain air quality during normal tunnel operations and control smoke movement to assist in occupant egress during a fire event
• Design industrial ventilation systems for odour, corrosion and dust control in wastewater plants and other process applications
• Design construction ventilation systems for tunnelling and mining projects
• CFD modelling of smoke movement in tunnels and subway stations
• Dynamic modelling of air movement in tunnels to reduce on site commissioning
• Plume modelling at tunnel portals and ventilation outlets

• Assessment of existing tunnels and industrial plants and optimise for more efficient operation
• Provide our clients with planning and design services as well as construction and commissioning support
• Whole of life costing for ventilation plant operation

Other services include:
• Traffic modelling
• Acoustic assessment of ventilation plant noise and vibration within the project and at external sensitive receptors
• Environmental services

For further information and your local contact, visit www.ghd.com/tunnels

www.ghd.com