



Underground delivery tunnels

What: The use of subsurface tunnel networks that link logistics hubs with residential and commercial buildings. Such a system could enable the delivery of packages around the clock without congesting city roads.

Why: Use of underground tunnels could improve safety by taking vehicles off the road and reduce truck traffic and emissions from idling in traffic. Not having to share the road with other vehicles means that activity can happen around the clock without delays or interruptions, enabling faster delivery. Cities that want to leverage existing infrastructure networks and explore underground delivery tunnels would need to undergo the necessary planning and engineering studies and consulting processes.

Testing grounds: Underground delivery tunnels were being explored as part of the [project in Toronto's Quayside waterfront district](#) before it was cancelled in 2020. Underground tunnels were going to be used in combination with electric delivery dollies to deliver packages and transport storage items and waste between buildings throughout the day.

In the U.K., start-up company, [Magway](#) raised US\$1.4 million in 2020 to pilot a zero-emission delivery system in the City of London. Using a network of underground pipes and delivery pods magnetically levitating on a railway, Magway reports that it can take 90 percent of delivery vehicles off the road while delivering packages faster and 70 percent cheaper than road deliveries.

