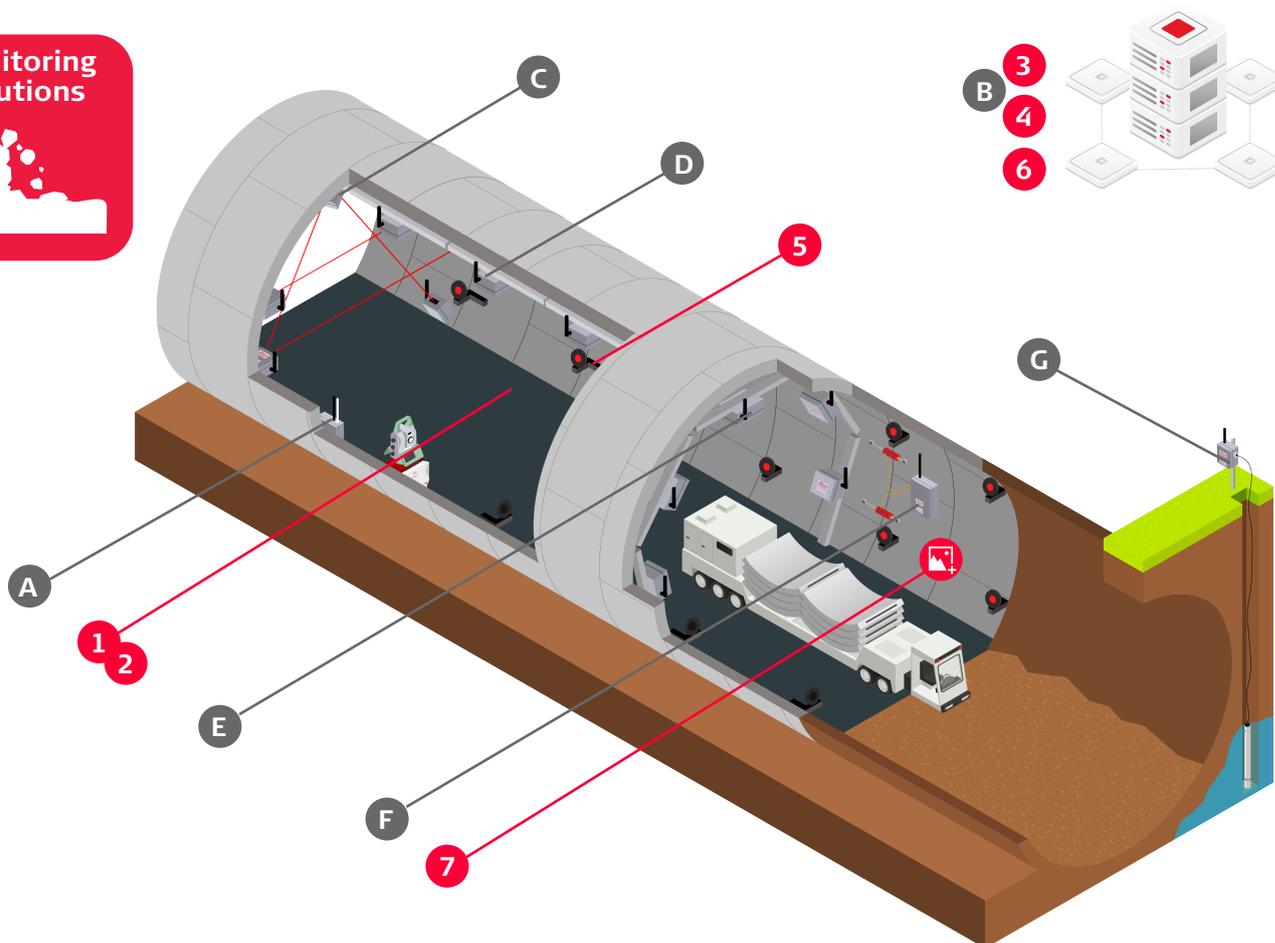


# Integrated Monitoring Solution Tunnels



## Leica Geosystems solutions

1. Leica TM60 I total station for 3D measurement & imaging
2. Leica ComBox60, power & communications controller with GeoMoS Edge
3. Leica GeoMoS Monitor data acquisition & computation software
4. Leica GeoMoS Now! data visualisation software / service
5. Leica GMP104 Prisms measuring absolute 3D structure position
6. 3D geometry computations for tunnel convergence and longitudinal profile completed in GeoMoS Monitor using prism data and AnyData Import
7. Remote image capture / live video of construction site via TPS telescope camera

## 3<sup>rd</sup> party solutions

- A. Wireless smart data hub for geotechnical sensors
- B. Geotechnical sensor data import into Leica GeoMoS via AnyData
- C. Wireless sensor distance & tilt measurement for convergence/compression
- D. Wireless sensor tilt with beam measurement for longitudinal profile settlement
- E. Wireless sensor tilt with beam measurement for ovalisation measurement
- F. Wireless interface with locally connected crack gauges
- G. Wireless interface with locally connected water level sensor / in-place inclinometer

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- when it has to be **right**

**Leica**  
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