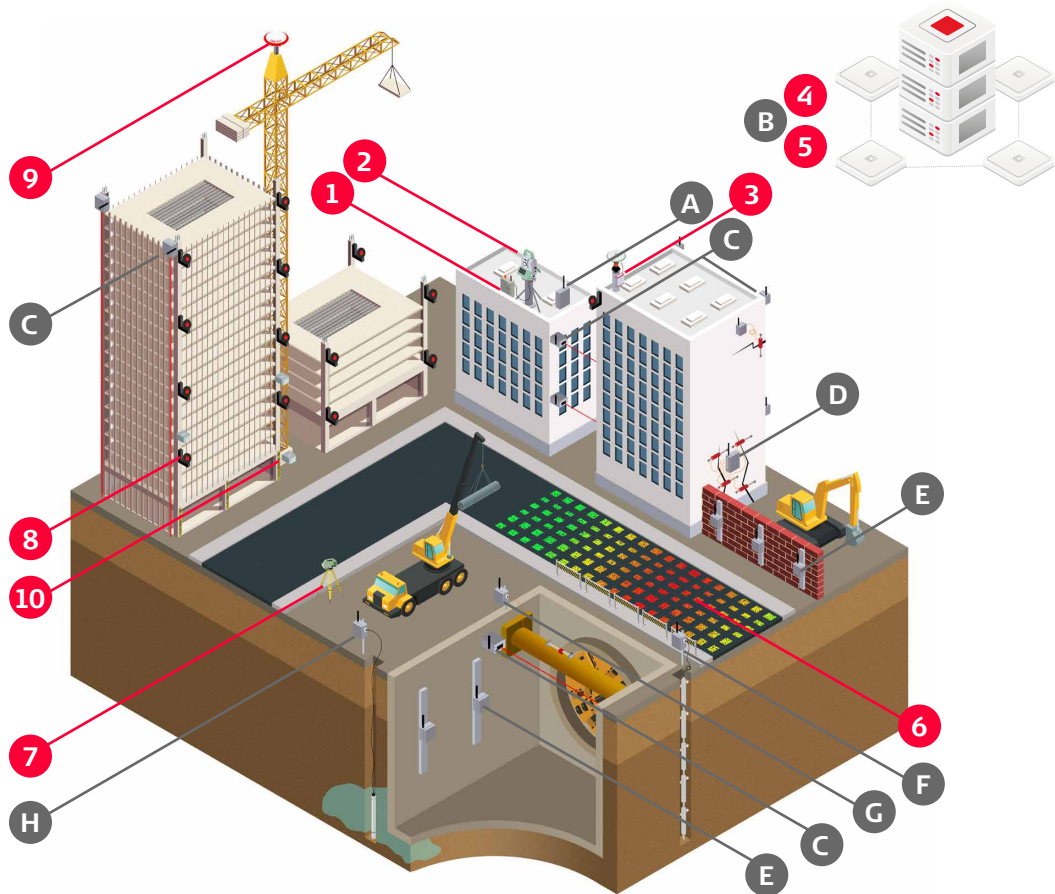


# Monitoring in Urban Areas

## Solution Overview



### Leica Geosystems products

1. Leica M-Com communication & power solution
2. Leica Nova TM60 Total Station I or MS60 MultiStation for 3D measurement, images and scanning
3. Leica AS10 / GM30 GNSS with co-located 360° reference prism
4. Leica GeoMoS Monitor data acquisition & computation software
5. Leica GeoMoS Now! data analysis & visualisation software
6. Leica MS60 observations of vertical settlement by scanning
7. Leica LS15 precise digital level used as part of manual campaign monitoring barcode targets on the buildings for precise detection of settlement
8. Leica GMP104 monitoring prisms used for precise 3D structural monitoring of buildings. Compression, alignment, rotation & tilt displacements
9. Leica GMX910 smart antenna tracking crane position
10. Leica NIVEL 220 ultra-precision inclinometer to measure crane foundation tilt

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

- 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 interface sensor with locally connected crack gauges
- E. Wireless tilt sensors with beam to measure inclination of objects
- F. Wireless interface sensor with locally connected In Place Inclinometer
- G. Wireless interface sensor with locally connected strain gauge
- H. Wireless interface sensor with locally connected water level gauge

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- when it has to be **right**

**Leica**  
Geosystems