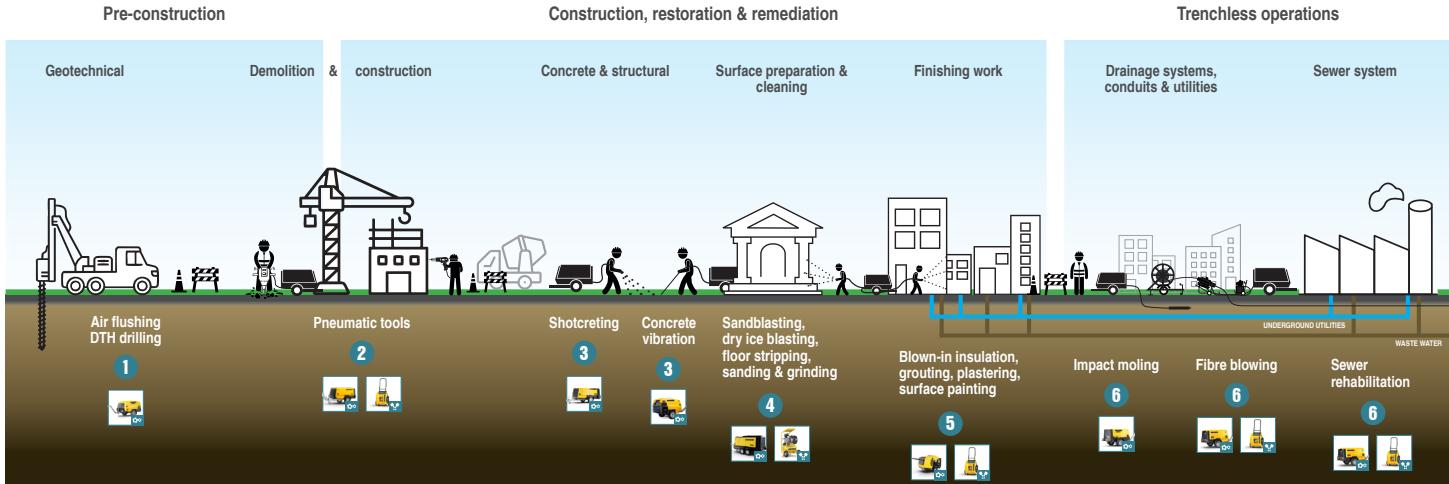


# Typical Compressed Air Applications in Construction

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## 1 Geotechnical



Pre-construction of major structures typically start with geotechnical drilling to assess the strata. Compressed air is required to transfer the cuttings to the surface in a process which is referred to as flushing. When a DTH (Down-The-Hole) drill is being used, compressed air will further be required to operate the drill.

Typical applications: air flushing, DTH drilling

## 2 Demolition & Construction



Favoured for their power, durability and efficiency, pneumatic tools require a reliable source of compressed air for optimal performance. The dependency, efficiency and in some cases quality, of the compressed air supply will further impact pneumatic tool productivity and service life.

Typical applications: breakers, hammer drills, impact wrenches, pneumatic nailers, pneumatic screwdrivers, chisel hammers, drills

## 3 Concrete & Structural



Compressed air is pivotal in achieving good concrete compaction in shotcreting and concrete vibration. For optimum results, the compressed air supply must reliably meet the pressure and airflow requirements, delivering cool and condensate-free compressed air. Shotcreting additionally requires technically oil-free compressed air that consistently meets the compressed air pressure and airflow requirements.

Typical applications: shotcreting, concrete vibration

## 4 Surface preparation



Many surface preparation and cleaning applications rely on compressed air, such as sand and dry ice blasting. In these cases, quality of the compressed air and its longevity, these specific applications require a constant supply of cool, condensate-free and technically oil-free compressed air that consistently meets the compressed air pressure and airflow requirements.

Typical applications: sandblasting, dry ice blasting, floor stripping, sanding and grinding

## 5 Finishing Work



Compressed air is often used for applications like surface painting, plastering shell walls, and installing blown-in insulation, where pneumatically powered equipment is favoured for its efficiency and speed in getting these finishing jobs done.

Typical applications: blown-in insulation, grouting, plastering, surface painting

## 6 Trenchless Operations



Many trenchless technologies require compressed air in repairing, replacing and installing underground utilities. For optimum performance some applications will require high pressure and flow rates. Additionally critical factors impacting the efficiency, performance, and suitability of an air system are a specific application

Typical applications: impact miling, fibre blowing, sewer rehabilitation

