



What's the total cost of owning an industrial compressed air system?

There are lots of potential costs to consider...



CAPITAL COST

Initial consultation & design, pre-purchasing, pipeline, purchase and installation, repayment or rental cost



ENERGY EFFICIENCY

Electricity & fuel costs to run and heat or cool the compressor



MAINTENANCE COSTS

Servicing and aftercare, parts, labour costs (i.e. fitter's and operator's wages), lubrication, oil costs (cooling, oil filters, oil changes - not relevant with an oil-free compressor)



COST OF DOWNTIME

Fixed maintenance breaks, unexpected failure or leaks which lead to production being halted and employees being left with very little work to do



BREAKDOWN COSTS

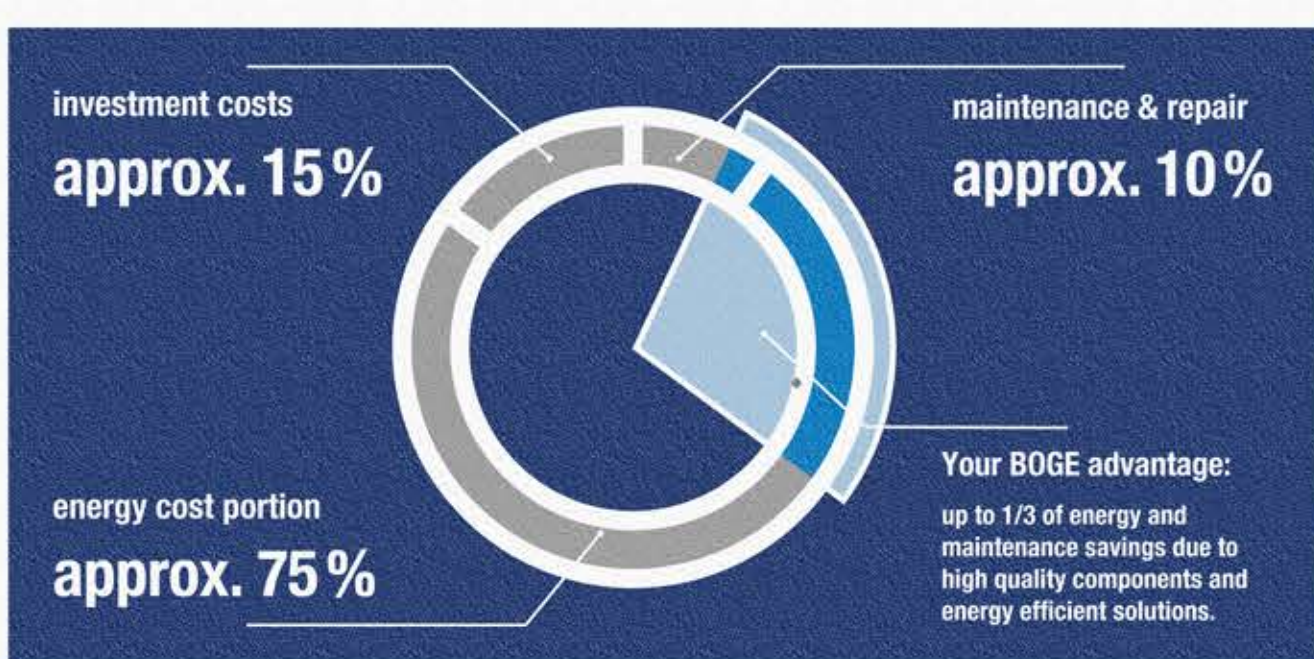
Non- contract parts & labour



OIL DISPOSAL, STORAGE & ASSOCIATED COSTS

Not relevant with an oil-free compressor.

... but energy accounts for the biggest costs



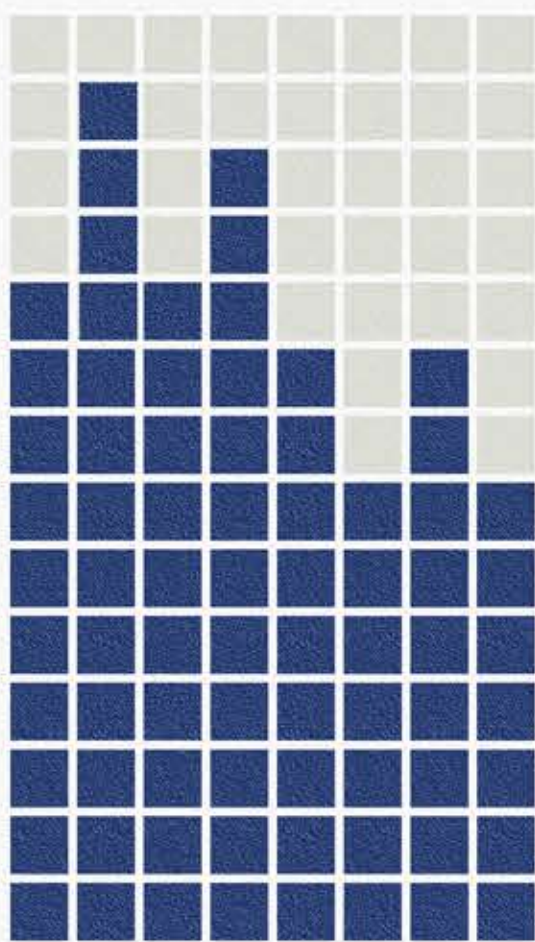
Energy cost could work out between

70 - 90%

of total cost across a compressors' system life cycle

A small leaking hole of 3mm can cost a business more than **£700/ year** in wasted energy

Energy opportunities



How to guarantee a longer life for your compressed air system

Unwanted elements in the system & the consequences

Solid matter
Dust, dirt and other particles
Water
Gaps in lubricant films
Ice



Wear on pneumatic system
Scuffing
Corrosion
Mechanical defects
Frost damage, reduced pipe diameter, blocked pipes



Effective use of diagnostics; not just the right tools, but ensuring the data is interpreted correctly

Status-based monitoring, leading to extended breaks between servicing and replacing parts when needed

Using the right kind and correct amount of lubricant. A synthetic product such as BOGE SYPREM 8000 S can yield energy savings of up to 5%

A robust service programme which includes access and availability of service kits and service engineering, as well as a care warranty