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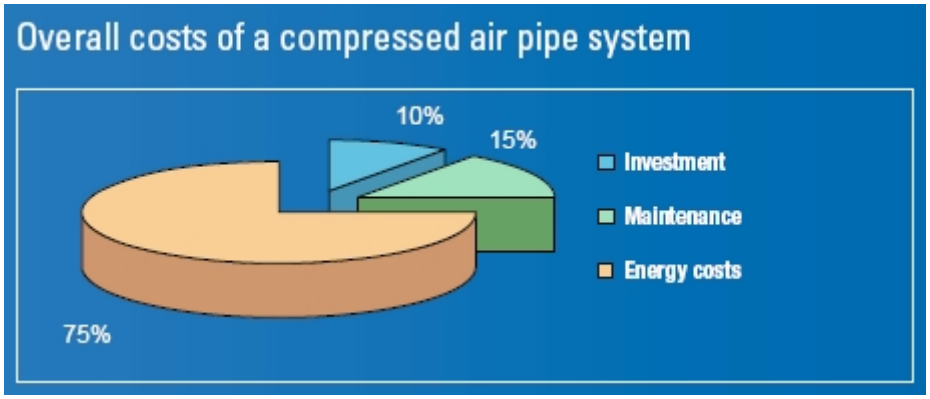
Energy efficiency

Compressed air represents one of the largest opportunities for immediate energy savings, which is on average 15% of any industrial facility's consumption of electricity. Therefore, if the pipe system itself is not designed for compressed air, there is a good chance that a significant proportion of the costs associated with commissioning the system and producing compressed air is going out of the window - quite literally!

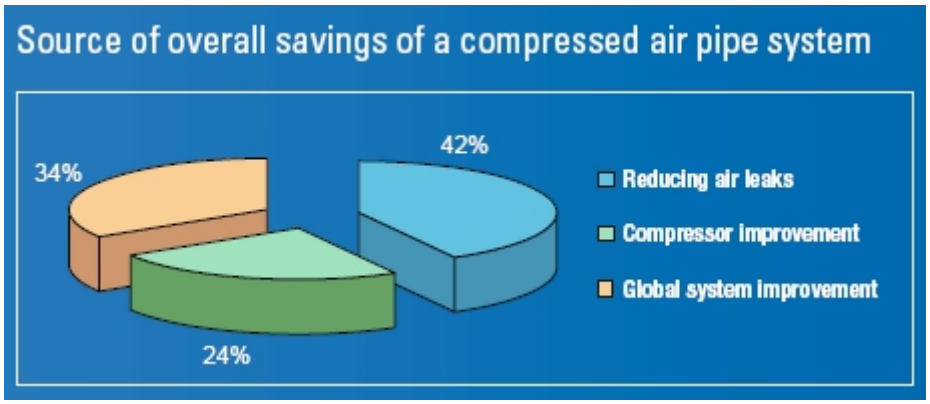
Thus, optimizing and controlling its production and use is an opportunity to make immediate energy savings.

Over a ten-year period, the cost of energy consumed by an average compressed air system exceeds other costs, including the initial cost of equipment and installation.



The potential savings (payback time of less than 36 months) can be summarized in two main categories in terms of potential contribution.

Reducing air leaks is the greater potential to improve the efficiency of a network. But improving the flow and pressure drop characteristics of a pipework system also gives potential cost savings of 34%.



Energy saving is an issue of current concern among owners, engineers, and contractors.