

# Cleveland

COMPRESSED AIR SERVICES

## Case Study 2016



CCAS Project Engineer, Syed Abbas (left) with happy customer, ALT Manager, Lee Mascall (middle) and CCAS Technical Salesman, Aaron O'Connor (right) outside ALT's new Jandakot premises.

# Case Study:

## Compressed air energy audit at Aqua Leisure Technologies proves huge savings

### Situation

Cleveland Compressors Air Compressors (CCAS), a leading compressed air equipment supplier in Western Australia has provided quality service and advice to Aqua Leisure Technologies (ALT) for the past 15 years.

In 2015, ALT engaged CCAS to conduct a compressed air energy audit on their existing system in Welshpool to understand their usage profile, reduce energy consumption and overall business costs and improve productivity.



CCAS Project Engineer, Syed Abbas (left) with the Scadar data logging equipment used to conduct the compressed air energy audit at the Aquatic Leisure Technologies new premises in Jandakot.



CCAS Technical Salesman, Aaron O'Connor (left) with happy customer, ALT Manager, Lee Mascall (middle) and CCAS Project Engineer, Syed Abbas (right) following the installation of the CCAS compressed air system and associated pipe work at ALT's new Jandakot premises.

### Details of the audit

CCAS used a data logger to measure the systems power, output performance and cost of energy over a 24-hour cycle for a typical week.

The data revealed that the 75 KW compressor was operating inefficiently between 35-40% load at the production levels at the time and estimated that the additional cost of operating this compressor would be \$35,000 per annum in power alone.

A leak test on the compressed air piping system also indicated a leakage rate of 24 l/sec, with the estimated cost of producing this amount of air is \$6,270 per annum.

### Recommendation

CCAS recommended the installation of CCAS proposed BOGE air compressors, BOGE auxiliaries, BOGE Provis 2.0 central control system and associated high efficiency Transair pipe work at their new premises in Jandakot which would deliver long-term savings and improved efficiency.

### Great Results for Aqua Leisure Technologies

In May 2015, CCAS installed a new BOGE compressed air system and associated Transair pipe work at ALT's new Jandakot premises.

To demonstrate the improved efficiency and long-term savings, CCAS conducted an audit of the new system, compared to the existing system in Welshpool.

Results showed significant control improvements as well as an **annual saving of \$53,868.54** which means ALT made back the money they invested getting the audit done over 26 times.







ALT Manager, Lee Mascall (left) with CCAS Project Engineer, Syed Abbas (middle) and CCAS Technical Salesman, Aaron O'Connor (right) inside the Jandakot premises where the new high efficiency pipework can be seen above in blue.

## Save today with an audit from **Cleveland Compressors**

**Cleveland Compressed Air Services are a leading compressed air equipment supplier in Western Australia. Specializing in sales, hire and service, Cleveland provides the best quality of service, parts and products, helping you maintain business as usual by reducing the cost and time wastage associated with untimely breakdowns.**

Committed to the environment and health and safety, Cleveland has a vested interest in the community they operate in.

### Why have a compressed air energy audit?

- Understand your usage
- Increase efficiency
- Reduce energy consumption and overall business costs

If your current system isn't running properly, you will be using more electricity than you need to be - wasting electricity is wasted money. A compressed air energy system will help you understand your usage profile enabling you to reduce your energy consumption and overall business costs, solve compressed air problems and improve productivity.

A customised audit will investigate your compressed air system using industry specific equipment, processes and software to provide consistent and accurate results.

### How much does an audit cost?

The audit at Aqua Leisure Technologies cost **less than 4 per cent of their annual savings of \$53,868.54** following the installation of CCAS proposed air compressors, auxiliaries, central control system and associated high efficiency pipe work at their new premises in Jandakot.

Can you afford not to make the investment?



CCAS Project Engineer, Syed Abbas conducting data logging at the Aquatic Leisure Technologies new premises.



# Book your obligation-free audit with Cleveland Compressors today

Take a step closer to achieving long-term savings and improved efficiency.

Contact Cleveland Compressed Air Services today on **(08) 9452 3669** or email **info@ccair.net.au** to book an obligation-free air audit.

Our professional service team will conduct a compressed air energy audit on your current system, giving you a detailed report complete with expert recommendations to achieve long-term savings and improved efficiency.

For more information visit **[clevelandcompressors.com.au](http://clevelandcompressors.com.au)**



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*The CCAS compressed air system at ALT's new Jandakot premises.*