

Protection & Prevention is Paramount as Proved

P&J

CASE STUDY

DUST EXTRACTION LTD
Established 1980



“Having worked with P&J for over 15 years we have always felt extremely confident of the support and knowledge they provide on all of our dust and fume extraction. The health & welfare of our D&T staff & pupils is paramount ...we look forward to your continued expert advice. Thanks!”

Flintshire is the most north-easterly county in Wales bordering the English county of Cheshire to the east, Denbighshire to the west and Wrexham County Borough to the south.

P&J Dust Extraction have been working with the Council's schools and other Council premises since 2001, providing them with the most appropriate Local Exhaust Ventilation (LEV) systems for each school and carrying out the yearly Statutory LEV Thorough Test and Examination for the Council's 10 schools, their Deeside Workscheme, Estuary

Crafts Gift Shop and Theatre Clwyd Complex and Art Centre.

Elfed High School is one of Flintshire County Council's 'Outstanding Learning Community' schools, it was opened in 1954 with purpose built accommodation in over 30 acres of ground. Their students benefit from D&T and Science classrooms and workshops with excellent modern facilities. The High School which accommodates 600 pupils has very high standards to maintain and is confident of the benefit and competency that P&J Dust Extraction offer regarding

All P&J equipment is designed and manufactured in the UK to the highest standards of quality, durability, performance and value

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the relevant Health & Safety legislation in controlling substances hazardous to the health of their students.

Within their D&T and Science departments students at Elfed carry out woodworking, welding, soldering and brazing processes involving substances such as hardwoods, softwoods, MDF and a variety of metals. Dusts and fumes emitted from these processes are causes of respiratory disease and occupational asthma, and therefore it is imperative for the school to have the most efficient LEV systems in place to safeguard the Health & Safety of their pupils and staff.

Following the Schools statutory LEV test and examination in March 2014 by one of our BOHS & AILEVE qualified LEV test engineers several causes of concern were noted and discussed in depth with the school's technician before leaving site. A detailed report of the thorough examination and test together with the essential and recommended improvements and observations were emailed to the school.

Due to the importance of the school pupils' health & welfare the council's Business Manager asked P&J to

provide a quotation for the improvements works within their metalwork room, prep room and woodworking room as soon as possible. The recommended improvements consisted of the installation of two pressure gauges across the filters on two separate LEV systems which would show any drop in filter pressure, as recommended by the HSE in HSG258, a safety feature highlighting the necessity to clean the filters when pressure drops, thus maintaining the most efficient extraction at all times. We also advised on the addition of three pressure gauges near each extraction hood and ducting drop on another LEV system, again for the user to know whether the extraction system is maintaining the correct pressure for the most efficient extraction. The final recommendation was to replace the filters on two of the extraction systems. P&J manufacture fabric filters to fit all makes of extraction units.

On receipt of the quotation the Business Manager contacted P&J to confirm the order before the end of the summer term for completion of the works to take place during the week prior to the start of the new school year. The date was agreed by our LEV coordinator and a P&J LEV test engineer attended site on 4th September 2014 to complete the fitting of all pressure gauges and filters to the necessary LEV systems. Our engineer then carried out the re-test of the relevant LEV to prove the effectiveness of the repairs and to enable the school's continued compliance with Regulation 9 of the CoSHH Regulations.

On completion of the LEV test it was confirmed with the School's technician that the extraction systems were all in efficient working order, in good repair and in a clean condition. And before leaving site our engineer demonstrated the best practice use of the new pressure gauges as well as leaving a new maintenance log book for completion by the school until the next P&J statutory LEV test and examination takes place in May 2015 on their 10 dust and fume extraction systems in the metalwork room, heat treatment room, woodworking and prep room, science prep room and 2 science rooms.

