

Asan Wood Saints

ISSUE 05— May 18

ASAN WOOD SAINTS

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EnTRESS SOLUTIONS

- Environmental Showcase Event
- Manufacturing Advice
- Fluid Power System Design
- Computer Aided Design
- Networking
- Optimisation of Material Usage



Asan Wood Saints

Is a community wood recycling business that collects unwanted wood from building sites, manufacturers and householders preparing it for sale, via upcycling or the production of usable products such as kindling & pulp. Creating jobs and volunteering opportunities for local people.

Background to the support provided

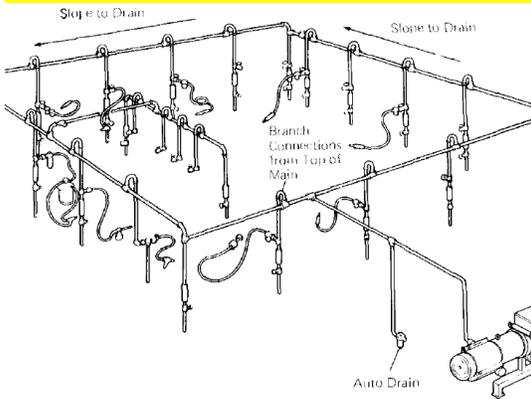
Having met representatives of Asan Wood Saints at a local launch event, subsequent discussions with the company, on how EnTRESS may be able to improve the company's manufacturing process, centered around two areas of development. Identification of suitable laser cutting equipment to expand production capabilities and secondly a review of the compressed air supply system. This was to advise on its design and fitness for purpose. Installation advice and factors to consider that allowed expansion of the system as production increased, key requirements of the company. An additional benefit of working with EnTRESS was an opportunity to participate in a challenge/showcase event, themed around waste management & treatment, held at Wolverhampton Science Park March 1st 2018. This event

was supported by Rolls-Royce, City of Wolverhampton Council and the Environment Agency.

What was accomplished ?

The knowledge transfer process

Starting point for the project was a site visit to review Asan Wood Saints' manufacturing process and carry out an assessment of the current workshop facilities.



duction area, provide maximum air flow and maintain air tools at optimum condition.

In addition EnTRESS was able to demonstrate the benefits of introducing an entry level CAD software package, DraftSight, to design new products and aid the construction process by providing cutting list data, record constructional details for efficient repeat ordering and minimize wood waste.

At the company's request EnTRESS identified a suitable small low cost laser cutting machine which will enable Asan Wood Saints to expand their production capabilities particularly small decorative items.



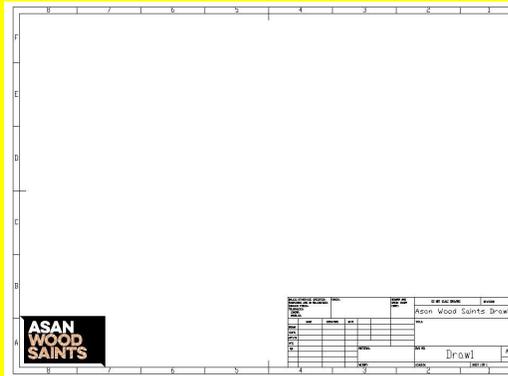
After reviewing the current compressed air supply system, EnTRESS was able to advise on the design of a new, more efficient distribution system fit, for purpose and one that would allow for expansion of the pro-

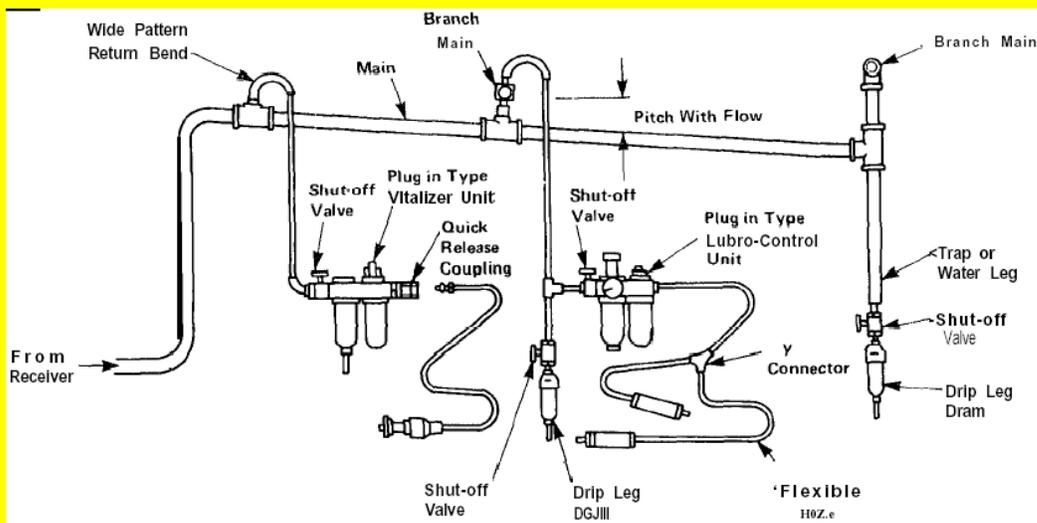
A further aim of the project was to work with the company to enable its participation in an EnTRESS challenge/showcase event, themed around waste management and waste treatment. Held at the Wolverhampton Science Park, supported by Rolls Royce, City of Wolverhampton Council and the Environment Agency and with over 60 delegates. The event showcased the company its ethos and products to a wider audience than usual.



What's Available

- Fully funded one to one mentoring and business support for the development and/or adoption of environmental technologies, processes and improvements.
- Access and collaboration with, leading research provided through the University of Wolverhampton.
- Fully funded in-house resource efficiency audits for Black Country SMEs.
- Technical Review Workshops providing assessments on current products and associated R&D opportunities.
- Environmental Impact Challenges set by large commercial and public organisations providing SMEs with business opportunities.
- Technology Showcases promoting the uptake of environmental innovations developed by SMEs.





ASAN WOOD SAINTS

Based in Wolverhampton, Wood Saints is a new community wood recycling business collecting unwanted wood from building sites, manufacturers and householders. Preparing it for sale, via upcycling or manufacture of usable products such as kindling & pulp, creating jobs and volunteering opportunities for local people. Wood Saints offer a competitive collection service across the Black Country, South Staffordshire, Telford & Shropshire. Saving money on skip hire & boosting social responsibility in the process. Collections are taken to The Dixon St Wood Depot, a 10,000 sq/ft facility which houses a timber yard, wood workshop & retail store, selling up-cycled products, furniture & other items from local craftspeople. Profits generated are reinvested to improve quality of life for people living in the All Saints area of Wolverhampton.

Contact: info@woodsaints.com

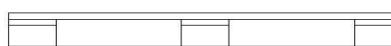
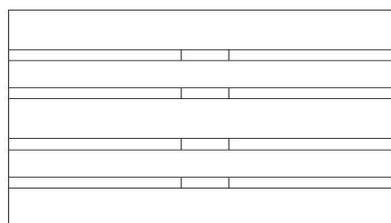
or call 01902 556683 / 07950 347718

Solutions Identified

- Identification of small scale, low cost laser cutting equipment to expand production capabilities was achieved with a system from Mantech for £3180.
- Review the compressed air supply system, identified the need for a Ring Main system to be installed. This would provide maximum delivery of air pressure & cover the entire production area with one system also allowing for expansion as the company develops.
- EnTRESS also introduced an entry level CAD software package, used to design new products, it also aids the construction process by providing cutting list data, record constructional details for efficient repeat ordering and minimize wood waste.
- Asan Wood Saints participated in an EnTRESS challenge/showcase event, themed around waste management & treatment. With over 60 attendees networking with speakers, exhibitors from business, academia, national & local government, a number of new contacts & opportunities were generated.
- Bespoke wooden house construction software was also identified. Provided by SEMA, this software is suitable as a progression from the 2D DraftSight software initially introduced

Technology Solutions Increase Competitiveness

1200 x 800 Euro Pallet





What is EnTRESS ?

ENTRESS is a new environmental innovation project drawing on University of Wolverhampton expertise, part funded by the European Regional Development Fund (ERDF).

What we do?

Support for Black Country SME's who want to modify their practices for increased sustainability.

Eligibility Criteria:

Open to all Black Country (Sandwell, Dudley, Walsall & Wolverhampton) Small to Medium Size Enterprises (SMEs).

EnTRESS Case Study
ISSUE 03 March 2018



EnTRESS – Environmental Showcase – Right Waste Right Place

This EnTRESS technology showcase held at the Wolverhampton Science Park on March 1st 2018. With support from the Environment Agency, the event explored best practice and innovation within the waste management industry, as well as the impact of waste crime and duty of care. Bringing together the private, public and academic sectors this event provided guidance to both businesses and waste management professionals, helping the Black Country to become a low carbon economy. Keynote speakers include the Environment Agency, Rolls Royce Plc & the City of Wolverhampton Council.

EnTRESS
Environmental Technologies & Resource Efficiency
Support Service

University of Wolverhampton

Faculty of Science & Engineering. ML046, Deane
Row, Off Molineux Street. City Campus Molineux, Wol-
verhampton. WV1 1LY

Andrew Barnett (01902) 321595 | 07583 050885

Andrew Stott (01902) 518532 | 07583 050887

<https://www.wlv.ac.uk/EnTRESS>



European Union
European Regional
Development Fund