



**ExxonMobil**  
Chemical

**A newsletter from the  
Fawley Site**

July 2013 Issue 34

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You can now also see  
Community Matters online at:  
[www.fawleyonline.org.uk](http://www.fawleyonline.org.uk)

## COMMUNITY MATTERS



# Engineering excellence

**A £10m energy scheme carried out by ExxonMobil, with principal contractor Trant, saves as much in carbon emissions as removing 30,000 cars per year from the road and the project has won a top civil engineering award in Hampshire.**

Following the entry submission by Trant, the innovative project was named overall winner at the Institution of Civil Engineers' (ICE) South East England Engineering Excellence Awards 2013, which took place on 21 June.

The awards recognise the best civil engineering projects regionally, with the judges looking for projects that deliver a real benefit to society through the knowledge, skills and professional expertise of civil engineers.

Taking 13 months to complete, the heat recovery project at Fawley, which is owned and operated by ExxonMobil, involves huge flues piping steam generated from a unit producing an ingredient for petrol.

New flues duct the gases to the furnace to produce superheated steam, supplying a third of the steam needed to operate the unit.

Previously hot flue gases would have passed through the existing stack and the heat wasted.

John Laverty, Director of ICE South East England, said: "As well as achieving a reduction in CO2 emissions equivalent to removing 30,000 cars from the roads, the project also provided ExxonMobil and Trant the opportunity to invest resources into local charities and recruitment of local labour and employment. The project demonstrates how civil engineering can mitigate environmental impacts and benefit the local economy. Our congratulations go to the winning project team."



**WELCOME TO OUR JULY 2013  
EDITION OF COMMUNITY MATTERS.**

**If you would like to know more about us  
or have any queries, please ring 023 8089 2511  
and ask for Community Affairs**

Photography by Ian Jackson & ExxonMobil Employees  
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# Sulphur, so good

**Contractors play an important role in many of the projects that take place at Fawley, especially those that involve construction work. Currently the largest project on the refinery is connected with reducing the sulphur levels in the petrol you buy from your local petrol station. New regulations mean that the amount of sulphur allowed in the fuel has been reduced significantly.**

In line with these changes, the construction phase of the Fawley Improved Sulphur Recovery (FISR) project started earlier this year. This aims to improve the site's sulphur recovery from 97% to 99% by 2015.

Due to activities that were scheduled to start on Sulphur Unit 4, the FISR project team had to complete the first phase so that they could be clear of the area in time. Faced with this challenging schedule, the civil engineers at Jacobs Engineering worked hard to ensure that the drawings were issued in time to allow early excavations, followed by the construction of the foundations. Jacobs used advanced technology to accurately measure the location of the holding down bolts.

The civil construction contractor, Trant, also put in a great effort to ensure that the work was completed to the required quality and schedule, with safety always at the forefront.



Trant had to work in difficult conditions and completed all four of the heat exchanger foundations on the project without any incidents or injuries.

## Inspecting the hidden depths

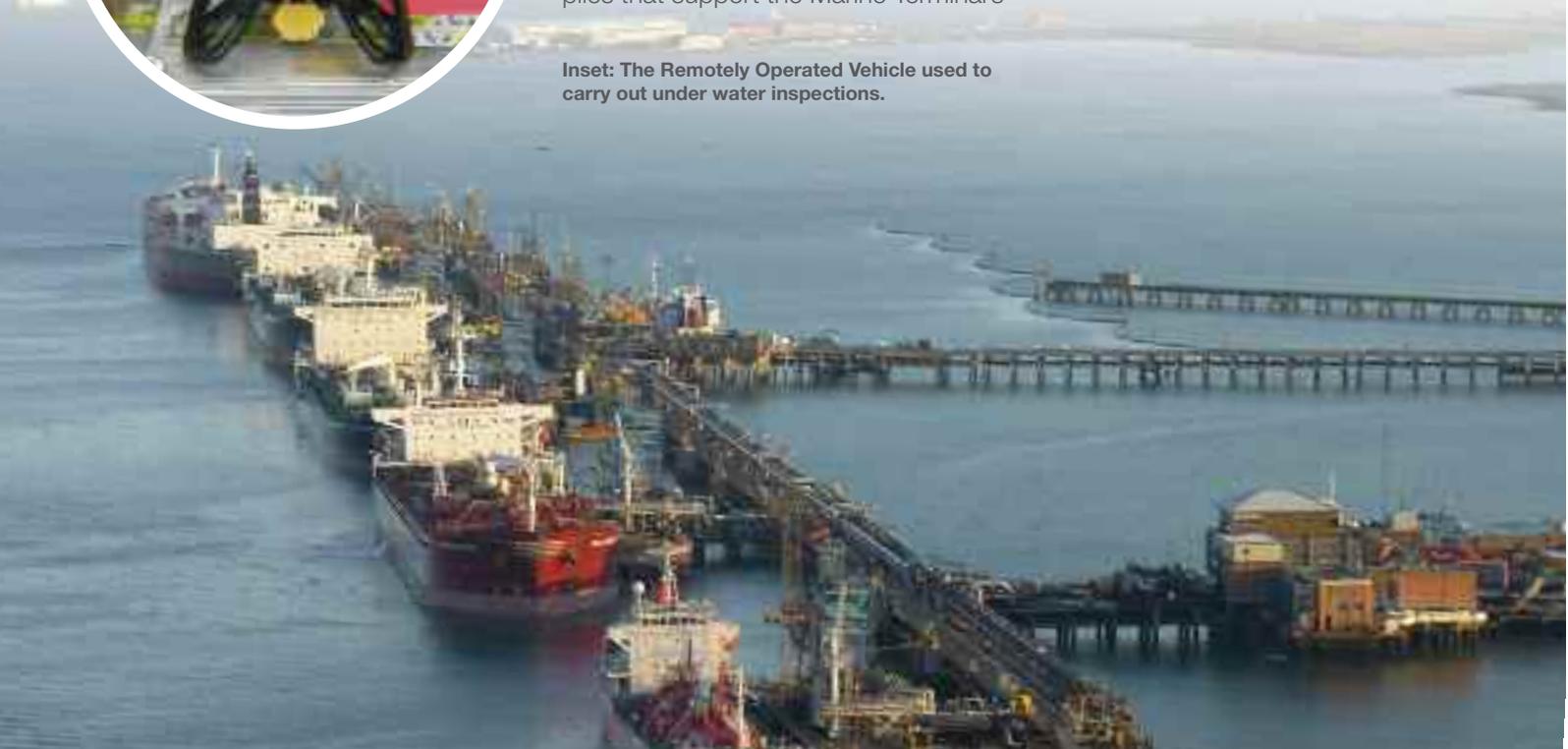


**Something has been lurking in the depths by Fawley's Marine Terminal, a fully submersible, remotely operated vehicle (ROV) - in reality a miniature submarine.**

The ROV has been used in trials by the Fawley Inspection Group, as a potential new method for carrying out visual inspections of the cylindrical piles that support the Marine Terminal's

jetty. The piles need to be checked regularly for any signs of degradation. This work has been carried out by divers in the past, but the Group decided to try using the ROV instead. The ROV can stream live video and capture still images of the piles and is a quarter of the cost of using divers.

**Inset: The Remotely Operated Vehicle used to carry out under water inspections.**



# Esso maths challenge 2013

**The 2013 ESSO Maths Challenge was held at Totton College on Wednesday 19 June. This annual event – now in its sixteenth year – receives £1,000 in sponsorship from the Fawley site. The event saw Year 10 students coming from Applemore, Hounslow, Mountbatten, Noadswood, Romsey, Testwood, New Forest Academy, Regents Park and Stonehenge.**

The teams of students worked together to solve a series of very challenging mathematical problems. Several teams were neck and neck for much of the competition but a



I am always impressed by the ability of Year 10 pupils to solve these very challenging maths questions.

**Charlotte Cooper, Totton College.**

team from Romsey School came out on top. This is the first year that Romsey have won and their teacher, Gareth Taylor, was absolutely delighted. The winning team received a shield presented by ExxonMobil Engineer Stuart Collins. Testwood School did extremely well to take the runners-up prize. Totton College Assistant Principal Alex Richards attended the presentation ceremony and congratulated all the students on their performance.

Last year, a team from Noadswood School won the competition and used the prize money for supporting the teaching and learning of mathematics within their school.

Earlier this year, a competition was run for Totton College AS Graphic Art students to design a poster to

advertise the event. This was won by Chloe Brehaut, who was presented with an iPod for her impressive design.

Charlotte Cooper, Maths Teacher at Totton College said: "I am always impressed by the ability of Year 10 pupils to solve these very challenging maths questions. The key to success, apart from being very good at maths, is the ability to work effectively as a team. Team working will be a great asset for these students in their future careers."

**The winning team from Romsey School.**



# A triumphant triathlon



**In June, Distillation Process Operator, Wayne Ewens, competed in the Enduroman UK Double Ironman Distance Triathlon. As a former Royal Marine, Wayne wanted to raise money for The Royal Marines Charitable Trust Fund in memory of his friend and fellow triathlete, Luke Taylor, who was killed in action in Afghanistan.**

The event consisted of a 4.8 mile swim; a 232 mile cycle ride; and a 52.4 mile run. This all had to be completed within 44 hours. Wayne

says: "Previously, I had only completed one Ironman distance race, so this was a new challenge in terms of the training required to gain the fitness and endurance needed to complete the course."

Wayne lined up with 47 others in the lake at Avon Tyrrell outdoor centre, Bransgore, to start the epic challenge. He completed the swim faster than expected, in 2 hours and 25 minutes. He then started the arduous bike ride, completing it in under 15½ hours.

## A painful conclusion

The final run took place through a large wooded area, with a lot of uneven ground, and with head torches required. Wayne started suffering pain in his leg and had to walk for some of the time and he eventually stopped for medical assistance. However, he was able to continue and completed the last lap holding a Globe and Laurel flag in honour of Luke and The

Royal Marines Charitable Trust. His total time for the whole event was an impressive 27 hours and 53 minutes.

Wayne says: "I had a huge feeling of elation and pride from finishing the event! To claim third place was an unexpected and fantastic bonus that made the whole race even more special. It was a real honour running in Luke's name, and I have hopefully raised a total of about £4,500."

**Wayne (pictured right) with his friend Luke Taylor.**



# Come visit us!



**If you would like to learn more about our operations, how we ensure safety and care for the environment and a little about our apprenticeship scheme then come along to one of our refinery tours.**

We have two tours available for those looking for an introduction to the Fawley site and the apprenticeship scheme.

Places will be offered on a first come, first served basis. Please note this is not part of the recruitment process and will only provide an introduction to the site and the apprenticeship schemes we offer.

**Minimum age 16**



## Application form

Please select your preferred date and indicate number of guests

14 August

29 August

No. of guests

Full name:

Address:

Postcode:

Telephone:

Email:

Objective in visiting Fawley Refinery:

Does anyone in your party have mobility problems?

Do you have a recognised form of photographic identification? Yes  No

For office use only

The visit will consist of an introductory talk followed by a coach tour of the site. Visitors will not be permitted to get off the coach at any time during the visit. Security searches may occur through bag searches therefore it is recommended that visitors do not bring bags on the tour with them. Only person(s) named on the letter of confirmation will be able to attend the tour. Photographic ID will need to be produced in order to gain entry into the site. Minimum age 16.

If you would like to join one, you can either: email [christina.riddell@exxonmobil.com](mailto:christina.riddell@exxonmobil.com), phone **023 8089 6133** or send the application form at the bottom of this page to:

**Christina Riddell**  
Community Affairs MP16  
Esso Refinery, Fawley  
Southampton SO45 1TX

We will then be in contact.