



POLENEWS

e-News for Polymer Industry



LAYING OF FOUNDATION STONE AT CIPET, RANCHI on MAY 15, 2017



INAUGURATION OF BOYS AND GIRLS HOSTEL OF CIPET, MURTHAL on MAY 15, 2017

Laying of Foundation Stone for CIPET, Ranchi & Inauguration of Boys and Girls Hostel of CIPET, Murthal on 15 May, 2017

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Turning plastic to oil, this startup has a game-changer technology



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One stop solution for Plastic Industries

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LAYING OF FOUNDATION STONE AT CIPET, RANCHI on MAY 15, 2017

Foundation stone for CIPET, Ranchi was laid jointly by Shri Ananth Kumar, Hon'ble Minister of Chemicals & Fertilizers and Parliamentary Affairs, Government of India and Shri Raghubar Das Hon'ble Chief Minister, Jharkhand. Senior Officials and other dignitaries were present during the function.



INAUGURATION OF BOYS AND GIRLS HOSTEL OF CIPET, MURTHAL on MAY 15, 2017



Boys and Girls Hostel of CIPET, Murthal was Jointly inaugurated by Shri Ananth kumar, Hon'ble Minister for Chemicals & Fertilizers and Parliamentary Affairs, Government of India & Shri Manohar Lal, Hon'ble Chief Minister, Haryana. Senior Officials and other dignitaries were present during the function.



Turning Plastic To Oil, This Startup Has A Game-changer Technology

At a garbage dump about 80 miles west of London, Adrian Griffiths is testing an invention he's confident will save the world's oceans from choking in Plastic waste. And earn him millions. His machine, about the size of a tennis court, churns all sorts of petroleum-based products -- cling wrap, polyester clothing, carpets, electronics -- back into oil. It takes less than a second and the resulting fuel, called Plaxx, can be used to make plastic again or power ship engines.

"We want to change the history of plastic in the world," said Griffiths, the chief executive officer of Recycling Technologies in Swindon, a town in southwest England where 2.4 tons of plastic waste can get transformed in this way daily as part of a pilot project.

For financial backers including the U.K. government and more than 100 private investors, the technology could mark a breakthrough in how plastic is managed globally. The machine uses a feedstock recycling technique developed at Warwick University to process plastic waste without the need for sorting, a major hurdle that has prevented economically viable recycling on a grand scale. Griffiths' project is unique in that it doesn't target a specific type of plastic, but rather seeks to find a solution for the so-called plastic soup inundating the world's water bodies. By 2050, plastic will outweigh fish in the oceans, according to a study presented at this year's World Economic Forum by the Ellen MacArthur Foundation.

"It could be a real game changer," said Patricia Vangheluwe, consumer & environmental affairs director at Plastic Europe, a trade association representing more than 100 polymer producers, including BASF SE and Dow Chemical Co. "This is a great way of getting plastics that you would not be able to recycle with current technology, or do that in an economic way, back into the circular economy."

At the moment, only about 10 percent of plastic gets reprocessed because it's cheaper to pump new oil for petrochemical feedstock, especially after crude prices collapsed in recent years. The rest is incinerated, disposed in landfills, or dumped into oceans, releasing toxic chemicals that harm coral reefs and get swallowed by the marine life humans eat.

Many projects fail because they don't offer a big enough margin to make them viable, according to Nick Cliffe, innovation lead in charge of resources efficiency at Innovate U.K., one of two government agencies that's provided 2.6 million pounds (\$3.4 million) of grants to Recycling Technologies. "Recovering raw materials from the waste stream is the future," said Cliffe, whose team also finances projects that recover platinum from old electronics and calcium from eggshells

Plastic Waste

Factoring in a cost of 3 million pounds to install and 500,000 pounds annually to operate, Recycling Technologies expects revenue of 1.7 million pounds per year per machine, thereby recovering its initial investment in 2-1/2 years, he says.

"That was always the objective, to make a machine that could pay for itself, because then people will make the investment decisions and it can scale very quickly," said Griffiths, 48, who aims to have 100 RT7000s up and running by 2025. The county of Perthshire, Scotland will start using one in 2018 to turn 7,000 tons of plastic waste annually into 5,000 tons of Plaxx.

One recent afternoon at the Swindon plant, workers heaped plastic onto a conveyor belt via a tube. The materials move through a series of units that separate out stuff like rocks, dirt and caked-on food. Once that's done, the plastic enters a furnace-like box and is heated at around 500 degrees Celsius (932 degrees Fahrenheit) using hot sand-like particles that melt it into vapor. The technique is similar to thermal cracking, whereby crude is transformed into gasoline and jet fuel, only a different material is used in heating that Recycling Technologies is in the process of patenting, according to technical director Mike Keast, a former oil refinery designer.

"We have to create new technology so we can both live how we want and not destroy the planet," he said, shouting to be heard over the screech of Coke and Sprite cans being pressed into cubes at an aluminum-can crusher next door. The vapor is cooled at different temperatures to create one of three materials, each emerging from separate taps at the bottom of the machine. Out of one, a straw-colored light fuel that can be sold to petrochemicals companies. A second pumps out a heavier substance reminiscent of candle wax, similar to what's burned in ship engines. From the third, a thick brown wax that can be used to make shoe polish or cosmetics.

Griffiths says he's in talks with about five petrochemical firms for supply agreements, although he wouldn't give details. German chemical maker BASF, for one, expects feedstock recycling technologies will be "important supplement" to waste-treatment options, according to spokeswoman Christine Haupt.

While he and his staff of 22 are driven by a desire to protect the oceans, they concede that with plastic consumption set to double in the next 20 years, recycling must be profitable to make a difference. Griffiths' next goal is to build a manufacturing facility.

"I'm not a tree hugger," he said. "I don't think that you can change environmental things without it actually making money."

(Courtesy: <http://economictimes.indiatimes.com>)



LARGEST PLASTICS INDUSTRY EVENT HELD IN SOUTH INDIA



Tender Information

Sr. No	Tender Title	Company Name	Opening Date	Closing Date
01	Supply of Mini small hanging plastic cabinet	Numaligarh Refinery Limited http://www.nrl.co.in	18-May-2017	07-Jun-2017
02	Supply of 3000 mtrs of HDPE pipe of 180 mm OD with long neck ends and GI slip on flanges at both ends of different sizes E	Indian Rare Earths Limited http://www.irel.co.in	29-May-2017	21-Jun-2017
03	Supply of 63mm PVC pipe 6 KG / Sqcm pressure make of Prince/Supreme for drinking water supply system.	Nuclear Power Corporation of India Ltd https://npcil.etenders.in	25-May-2017	16-Jun-2017
04	PVC Pipe 1/2 20MM - 10kg ISI/10KG/SQ cm.	Ministry of Railways http://ireps.gov.in	23-May-2017	16-Jun-2017
05	Supply and delivery of various types of Plumbing materials, GI, CPVC pipes and their fittings and other material as per Bill of Quantity to Haldia Dock Complex.	Kolkata Port Trust http://www.kolkataporttrust.gov.in	11-May-2017	14-Jun-2017
06	High Density Poly Ethylene (HDPE) Pipe of nominal diameter 200 mm (PE 100, PN 16) Qty - 1500 Mtrs., along with HDPE bends and MS Flanges	Mahanadi Coalfields Limited https://coalindiatenders.gov.in	29-May-2017	Certification End date. 05-Jun-2017 Bid Sub. 20-Jun-2017
07	Supply of 30000 Kgs of Laminated HDPE Circular woven bags with LDPE liner	Indian Rare Earths Limited http://tenders.gov.in	27-May-2017	21-June-2017
08	Procurement of 4100 Nos of Thread Cones for packing of PP HDPE LLDPE products at BCPL Lepetkata	GAIL India Limited http://gailtenders.in/tender_report_details.asp	22-May-2017	13-Jun-2017
09	[1]Two Wheeled Plastic Containers With Lid [2]Injection Moulded Plastic Pallets	Ministry of Railways http://ireps.gov.in	17-May-2017	19-Jun-2017
10	Rate Contract for Laboratory Chemicals/ Glassware/ Plasticwares and Other lab.	Indian Council of Agricultural Research http://nrcorchids.nic.in/Tenders.html	04-May-2017	12-Jun-2017

For more details, <http://pds.gov.in/tenderinfo.php>

Event Information



**LARGEST
PLASTICS INDUSTRY
EVENT HELD
IN SOUTH INDIA**



June 15 - June 18, 2017



June 08 - June 10, 2017



June 20 - June 22, 2017



July 08 - July 11, 2017



Aug 03 - Aug 05, 2017

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