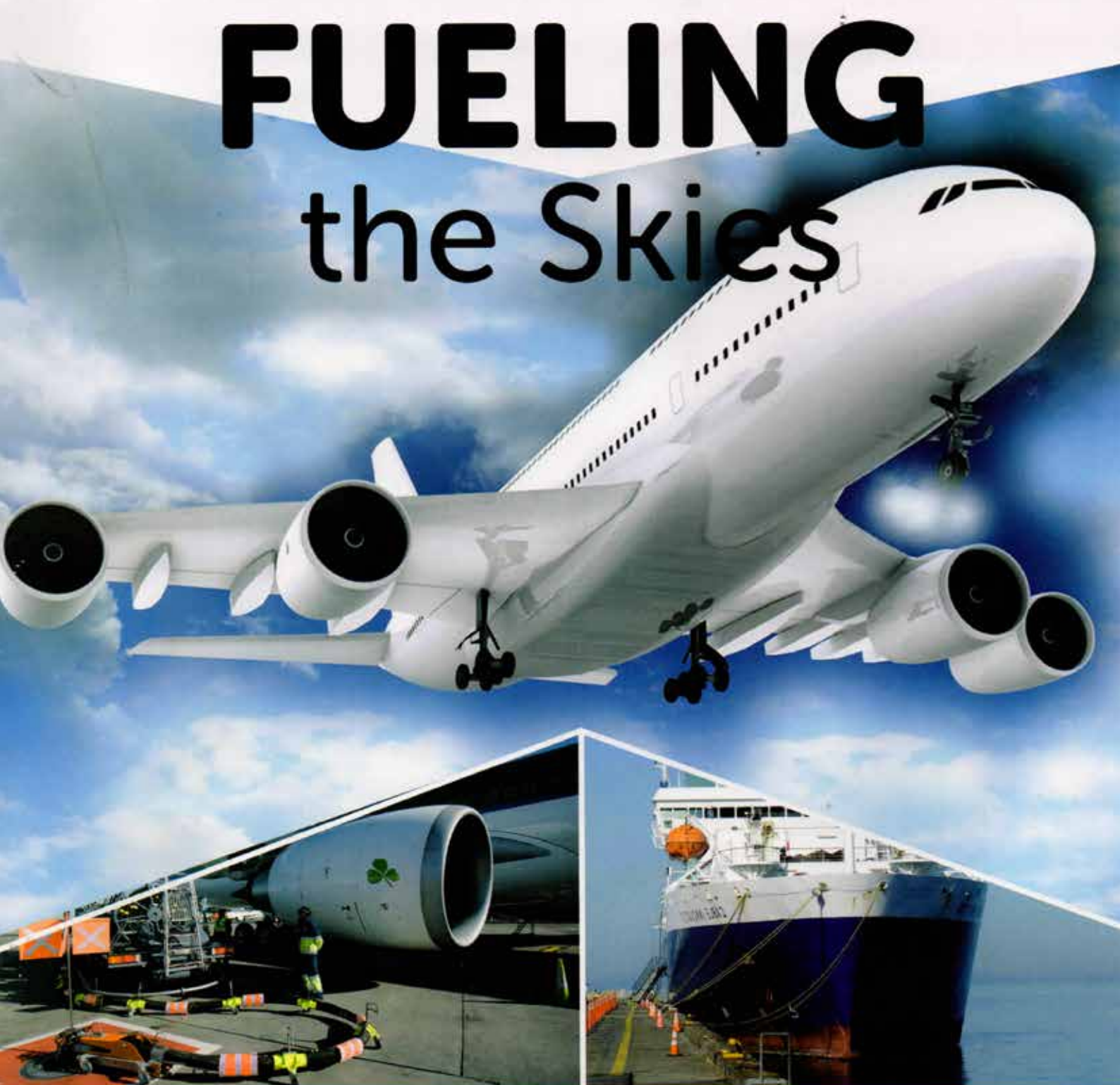


iNSiGHT

The Magazine of the Petroleum Institute of East Africa

4th Quarter, October - December 2018

FUELING the Skies



Brisma Africa Limited partners with 3X Engineering of Monaco

Brisma Africa Limited an indigenous company has partnered with 3X Engineering, a Monaco based company, to be the sole distributor of patented proprietary engineering solutions to the oil, gas, construction and water industry in the Kenyan market.

The company's main engagement is undertaking repairs and maintenance of corroded steel structures, pipes and tanks, Electrical, civil, water works and construction projects which include but not limited to construction of power transmission and distributions lines, road construction, dams and water pans.

In the oil and gas sector, Brisma carries out repair and maintenance works for pipelines and tanks as well as steel structures that have been damaged by among other causes, corrosion.

Brisma Africa Limited Commercial Director Dr. Peter K. Thuo, PhD says the

“

One way to avoid corrosion problems is to use a more easily oxidized metal to protect iron from corrosion. In this approach, called cathodic protection, a more reactive metal such as Zn becomes the anode, and iron becomes the cathode.

”

company uses various products that are available depending on the nature of the defect or damage to pipes, tanks or steel structures and concrete beams.

“Our products can be applied on pipelines transporting various fluids (gas, petroleum, water, and others). They have been tested with the Bureau Veritas,

TÜV, and private labs of well-known petroleum companies” adds Dr Thuo.

Corrosion is the process by which metals deteriorate through oxidation producing their oxides and other products. Iron for example when exposed to air and moisture, iron rusts, forming a red-brown hydrated metal oxide.

In corrosion control and treatment, Brisma uses UGent, a product originally invented at the University of Ghent, Belgium, in the 1970s and has since been used in a wide variety of projects throughout the world.

“One way to avoid corrosion problems is to use a more easily oxidized metal to protect iron from corrosion. In this approach, called cathodic protection, a more reactive metal such as Zn becomes the anode, and iron becomes the cathode. This prevents oxidation of the iron and protects the iron object from corrosion” he concludes.

PayGo Energy Feted at the Global Technology Conference



Mr Fausto Marcigot, PayGo Energy Chief Technology Officer (CTO) while receiving an award for the most innovate company during the World LPG Association Global Technology Conference held at Houston T

PayGo Energy, a start-up based company in Nairobi was honored for its efforts to provide low-cost cooking gas for use in city slums by the World LPG Alliance at the Global Technology Conference held at Houston Texas.

The Global Technology Conference showcases the most innovative technologies that will create new opportunities for the LPG industry. The World LPG Alliance holds the event annually and invites companies from around the world to participate.

In this year's event eleven companies were selected from hundreds of applications to showcase their innovations at the conference.

Delegates in the audience voted and a final review was conducted by a technical panel of industry experts and PayGo Energy emerged the winner.

PayGo's patented technology turns any gas cylinder into a pay-as-you-go device. After paying a small upfront fee, customers that traditionally use charcoal or kerosene to cook are able to purchase gas in small affordable amounts.

In addition, to its hardware innovation, PayGo's software platform is improving service delivery for customers by tracking their gas consumption patterns and organizing just in time delivery. PayGo Energy will be commercially launching in Nairobi next year.