

STORAGE

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THE OUTLOOK FOR TERMINAL INVESTMENT

Exclusive interview with Prostar Capital

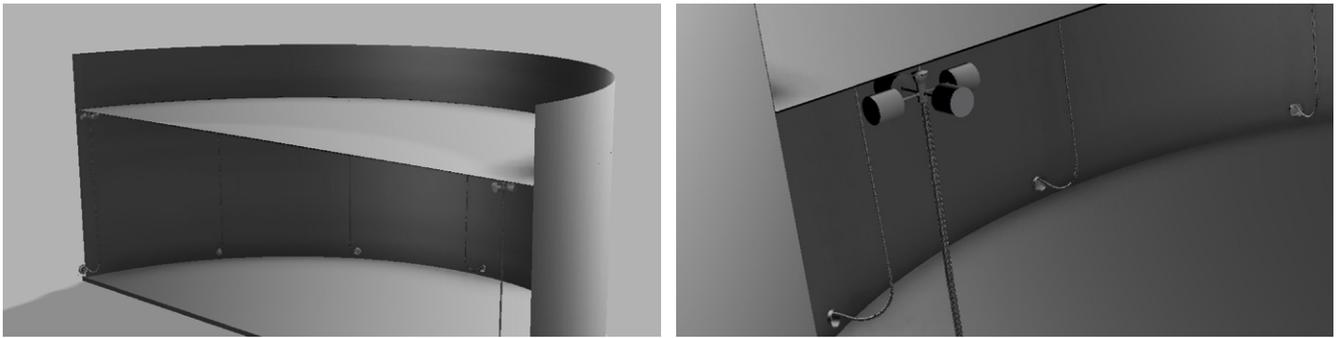
MAKING SENSE OF CONTANGOS

Canada – DRUs to the rescue?

LNG and the pandemic

Oil demand and the energy transition





XTREME TANK SET TO CHANGE THE INDUSTRY

The carbon capture process tank tool that saves the environment and saves lives

Paul Gibbs is the managing partner and owner of Xtreme Tank Technologies, a company he believes is about to change the face of the hydrocarbon storage business forever, thanks to its new tool.

Although in this case new is misleading, because although it's just hitting the global market now, Gibbs spent thirty years designing and field testing it. His original patent was 1990 – but when he received his first patent he was far ahead of his time. The terms 'greenhouse gases' and 'volatile organic compounds' were not being used every day in the oil and gas industry.

But now they are. In fact they're at the forefront of the entire industry's mind. Which is why Gibbs thinks he's on to something hugely significant: "I can

honestly say that I have the answer when dealing with carbon capture on tanks. Whether the tank is fixed roof or floating roof we capture gases on them all, doing away with any leakage of gas whatsoever."

An impressive claim indeed, but he's not finished there: "I also work with this same tank tool to extinguish tank fires. It can detect them in seconds. There is zero splash of hydrocarbons when fire foam is sent to tanks. Every gallon of fire foam sent shows up inside the tank. There is no wind carrying foam streams away. The fire foam does not travel through high temperatures and become destroyed due to temperature."

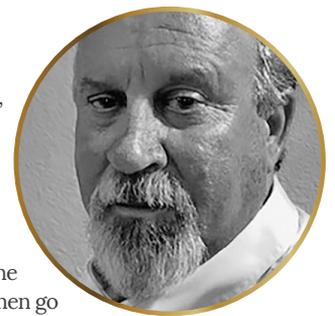
What's more, he says the tanks can be extinguished with "exceptional speed", because he says the tool lays the fire foam gently where it needs to be placed, on top of

the hydrocarbon, inside the tank.

"Fire trucks can show up and extinguish tank fires from a safe distance away. The firemen and women go home successful and safe."

So in short, the Xtreme Tank complete carbon capture process patented tank tool both saves the environment and saves lives. "This is the most versatile universal tool that can be placed in existing tanks or in new capital work on tanks. We have actual answers for carbon capture here at Xtreme Tank Technologies. We have the best type one tank fire tool on the world market."

www.xtremetanktechnologies.com ■



THE XTREME TANK TOOL EXPLAINED

"The Xtreme Tank Technologies Vapour Control Tool could serve as a key, if not revolutionary, product in the large-diameter, aboveground storage tank industry", says Gibbs. But how does it work?

At present, the AST industry relies entirely on an external floating roof with annular space rim seals, or an internal floating roof with annular space rim seal and an external fixed roof of either steel or, in some cases, an aluminium geodesic dome.

The only floating roof style that completely eliminates the problems of vapours and subsequently RVP and off-

gassing is a full-contact floating roof. These come in the steel, aluminium and composite types. All three are expensive. With heavy steel roofs with smaller tank diameters you lose head space because of the depth required to achieve buoyancy, due to the weight of the steel. But with any floating roof, you still have the issue of annular space to allow for floatation, thus the need for rim seals. And, while all seal manufacturers claim "virtually zero gap", there is no such thing as a perfectly smooth, round tank, so there is no such thing as a zero gap seal. "This means that all seals leak," says Gibbs. "They leak on day one and, once the roof cycles just one

time, the leaks begin to increase... and they increase quickly."

Even the tiniest air gap below the roof allows vapours to collect just below the skin, and these can – and do – both erode the tank and escape.

Gibbs says that if the Xtreme Tank tool were to be deployed in these vapour spaces below the floating roof, riding just 4" above the product, it would capture and pull off these vapours. This would completely prevent the need for various efforts to prevent them from escaping. More significantly, it would reduce the corrosion of the underside of the floating roofs.