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Gas Strategies Group

10 Saint Bride Street
London UK
EC4A 4AD

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T: +44(0) 20 7332 9900
W: www.gasstrategies.com
Twitter @GasStrategies

Editorials

+44(0) 20 7332 9957
editor@gasstrategies.com

Subscriptions

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[1]

The start-up of Venture Global's 10 mtpa Calcasieu Pass liquefaction project on the US Gulf Coast early this year was a technological milestone for the LNG industry: it is the world's first large-scale project to employ mid-scale liquefaction trains rather than the conventional Air Products C3MR or ConocoPhillips Optimised Cascade processes.

More such projects are in the pipeline, though fewer than anticipated in 2019, when Calcasieu Pass was sanctioned. At the other end of the liquefaction spectrum are Qatar's expansion projects, which will use Air Products' AP-X process, for the first time since the first six Qatari mega-trains started up in 2009-2011. What is becoming clearer year by year is that, whatever liquefaction process is chosen, efforts to reduce carbon intensity are intensifying.

**Consulting**

+44 (0) 20 7332 9900
consult@gasstrategies.com

**Alphatania Training**

+44 (0) 20 7332 9910
training@gasstrategies.com

**Information Services**

+44 (0) 20 7332 9976
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