

power

**VIETNAM
POWER
REPORT**

Power Race

Colin Tam talks about keeping up with Asia's rising demand

PLUS

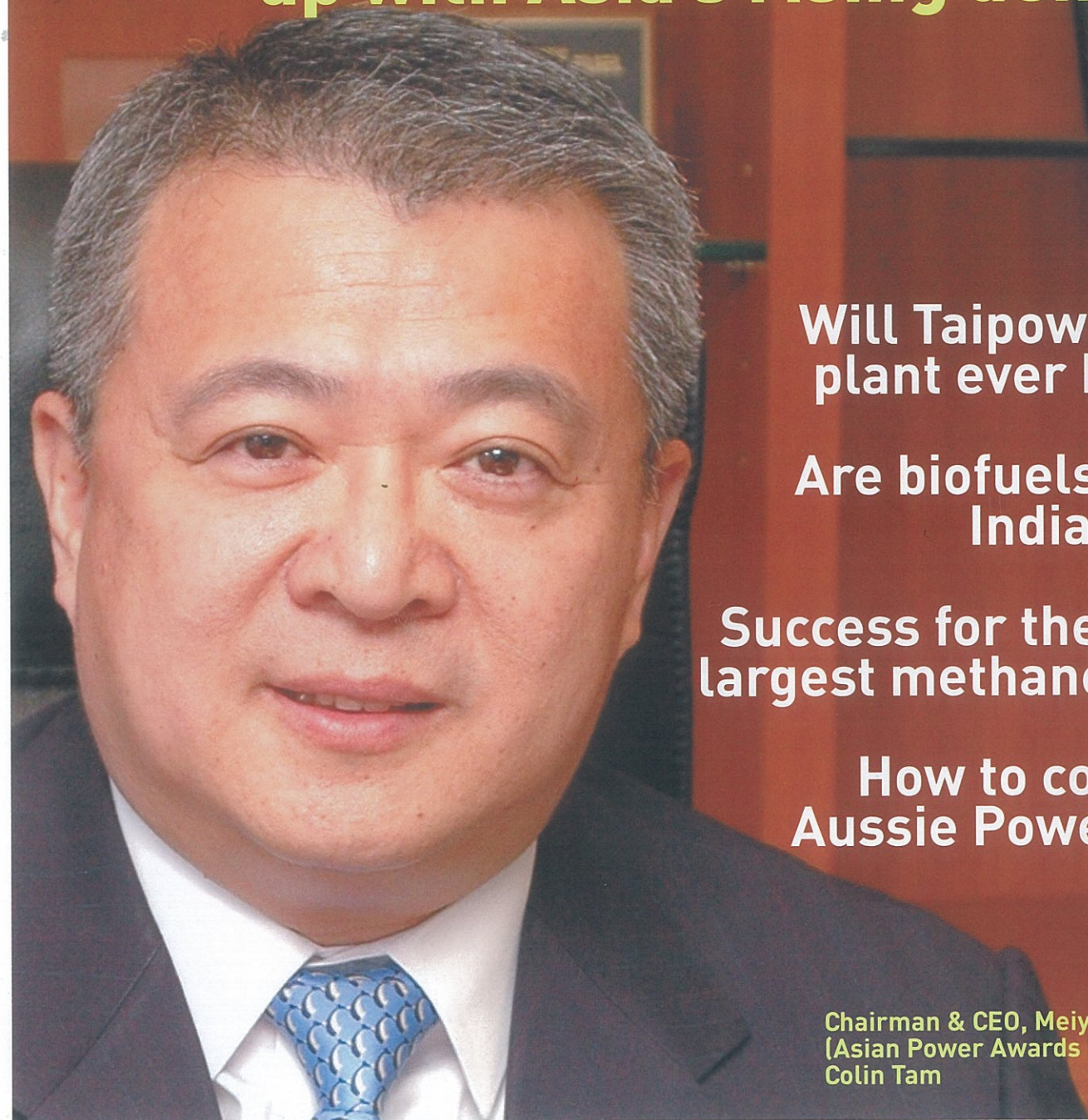
Will Taipower's new plant ever be built?

Are biofuels making India thirsty?

Success for the world's largest methane project

How to cool off on Aussie Power Island

Chairman & CEO, Meiya Power Company (Asian Power Awards IPP of the Year), Colin Tam



Will new valves quietly blow away the competition?

By Faizal Dahlawia

A major power plant in Asia was grappling with serious valve maintenance issues. Thankfully, Fisher® digital valves came to the rescue with their customized trim and diagnostic capabilities to help monitor and solve the problems before these became costly failures.

A physical inspection of a competitor's valve installed at the site indicated that the bottom 20% of its cage had deteriorated. The damaged cage affected valve travel between the 0 - 19% mark and

contributed to high friction and variability. The cage was made up of 22 stacks of noise trims, and the bottom four had deteriorated.

Fisher personnel in Singapore convened a council of war to discuss the matter and recommended a professional solution to have the deteriorated cage replaced with Whisper® III trim.

It's very, very quiet

Whisper trim provides up to 30 decibels of noise attenuation. It lowers valve noise by utilizing multiple orifices



Fisher's new model is a plant-saver

of special shape, size, and spacing. These orifices break up turbulent fluid streams, thereby reducing noise producing interactions. The

trim shifts acoustic energy to higher frequencies that are not readily absorbed by downstream piping. At high frequencies, the piping radiates much less sound in the audible range, reduces strain energy, and combats piping fatigue.

Besides the Whisper trim, 25 new Fisher® Design EH, ET, and V500 valves for steam pressure, feedwater, and limestone slurry flow applications were supplied. All of these valves were equipped with FIELDVUE® DVC6000 instruments with

performance diagnostic (PD) capabilities.

No competition!

Operating under ambient temperatures of 60-70° Celsius, the competitor's Japanese-manufactured valve positioners could not reduce variability and oscillation to less than 4bar. However, upon application of DVC6000-PD positioners to the steam control valves, the variability dropped significantly, from 4 Bar to 1.9 Bar, registering a 200% improvement!