



# DRIVING THE TELECOM HIGHWAY

*Critical generator protection power for the data center is provided by three PowerBox 20 units.*

**United Information Highway (UIH) is a leading telecom operator in Thailand, established in 1996 as a broadband and internet services provider to corporate customers.**

Its business has evolved substantially since then, as it has forged technology partnerships with world-class firms such as Huawei, Google, IBM and Cisco and positioned itself as ASEAN's leading digital infrastructure and solution provider with a wide range of digital solutions and IT services.

In fact, UIH has established seven strategic border gateway locations across Thailand to enhance high-performance connectivity with ASEAN countries Cambodia, Laos, Malaysia, Myanmar and Singapore.

One of UIH's latest developments is its BCH4 data center in Bangkok, with system integration carried out by Chinese telecom giant Huawei.

## **Partnering with Huawei.**

Cummins DKSH Thailand, a strategic Huawei partner, provided the critical generator protection power for the data center in the form of three PowerBox 20 units. The 1250 kVA containerised generator sets are powered by Cummins' long-standing 50-litre KTA50 engine.





From left: Rungrote Silawatcharapol (Cummins DKSH), Rungrote Chiranandhana, Panitharn Payackapan (UIH), Apichai Maleepeng (Cummins DKSH), Kim Siong Ang (Cummins Asia Pacific).

“We were happy when we heard that Cummins generators would be installed because of Cummins’ reputation in the data center industry,” says Panitharn Payackapan, director of UIH’s data center department.

UIH can claim with justification that its data center is world standard in that it is Tier III certified by the Uptime Institute (Design and Constructed Facility), therefore meeting stringent requirements around uptime and reliability.

“With Tier III certification, our data centre is designed to operate at 99.99% uptime, has excellent connectivity, and uses international-standard security systems,” he says, adding that the UIH facility is the only Tier III certified data center in the inner Bangkok area which is certified for both Design and Constructed Facility.

## Discipline needed.

Many providers claim to build Tier III data centres, but as Panitharn Payackapan points out, “few have the discipline to go through the rigorous process of seeking actual Constructed Facility certification”.

Redundancy at the UIH facility is a minimum N+1 meaning all systems have at least one independent back-up so there is system availability in the event of component failure or maintenance.

The generator sets are a key component of the stringent requirements for uptime and reliability, and Cummins DKSH has become a prominent name in the industry due to its ability to provide the critical generator power in a seamless process of supply, installation and commissioning. Aftersales support is another key factor behind the strong standing of the Cummins product. ■



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