

PRESS RELEASE

21st May, 2010

Next-generation operating theatre lighting from Enfis and C-THME

The latest collaboration between UK-based LED Manufacturer, Enfis and Chinese medical lighting specialist C-THME heralds a step-change in surgical lighting technology.

Precise, tunable lighting in operating theatres contributes to patient safety by enabling surgeons to identify small differences in tissue and also 'tune' the light to match their individual eye response. This also reduces surgeon fatigue and shortens operating times.

Swansea-based Enfis produced a tailored LED light engine and this was combined with a unique fixture design by China-based C-THME to create the ground-breaking new product.

This new lighting technology delivers efficient, powerful, widely tunable light with no colour separation or shadowing.



The new lighting system in use at a Teaching Hospital

TECHNICAL BRIEF :

The new C-THME light offers:

- Colour Rendering Index (CRI) >90; and
- Constant light output over a wide range of correlated colour temperatures (CCTs).

It uses the Enfis UNO Plus High CRI Vari-CCT light engine with narrow-beam optics, and has two major advantages over the first generation variable-CCT discrete LED systems:

- the Enfis LED Array mixes all the colours required to achieve the CRI/CCT range within one package - no colour banding, separation or shadowing
- multiple 'lamp heads' with airflow through the light centre - improving the air quality and temperature around the patient

This product is now rolling out into hospitals in Europe.

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Visit Enfis at:

- EuroLED, Coventry, UK June 9th/10th in the Innovation Pavilion
- Guangzhou Lighting Fair, Guangzhou, China, June 9th-12th Hall 3.2 Booth G68 where we will be showing a wide range of products, applications and example fixtures

About Enfis – www.enfis.com

Enfis is the UK-based leader in specialist compact, high-power colour tunable LED arrays and light engines for easy integration into architectural, entertainment and medical lighting.

We also specialise in LED arrays for industrial applications such as ink and epoxy UV curing and for medical treatments.

Our expertise covers all aspects of LED array, driver and optics design. This includes LED packaging, thermal management, optics and electronic design.

We work very closely with our customers. We keep on top of all relevant new technologies in a fast changing environment, and keep ourselves and our customers ahead of the competition.

We are an ideal partner for companies wanting a fast, low-risk, cost-effective LED lighting partner for the long term. Enfis Limited operates in accordance with ISO9001:2000 and ISO13485:2003.

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About C-THME – www.c-thme.com

Chongqing Tianhai Medical Equipment Co., Ltd. is a hi-tech enterprise based in Chongqing, China. We have been successfully developing, designing, manufacturing and marketing high-quality modern digital medical equipment since 1995. Tianhai has four subsidiaries - Chongqing Duotai Medical Equipment Co. Ltd., Chongqing Puledi Biology Technology Development Co., Ltd., Chongqing Bangqiao Science and Technology Co. Ltd., and Xuzhou Haoyu Medical Equipment Co. Ltd.

We have independently developed and produced a series of clinical diagnosis, clinical treatment apparatus, and surgical medical lighting LED lamps. All of our products are qualified and we control quality strictly in accordance with ISO9001:2000 and ISO13485:2003.

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