

OLED-T CORPORATE BACKGROUNDER

OLED-T is leading the research, development and commercialisation of a pioneering class of organic light emitting diode (OLED) materials, called ELAMATES®, for OLED displays.

Move over LCD

The advent of OLED displays has opened up exciting new possibilities for revolutionising the form and functionality of electronic devices by overcoming many of the limitations of liquid crystal displays (LCDs) and cathode ray tubes (CRTs).

DisplaySearch, the worldwide leader in display market research and consulting, reported that the OLED industry reached revenues of over \$500 million in 2005, and forecast revenues of more than \$4.6 billion by 2010.

The successful commercial exploitation of OLEDs in the broadest possible range of applications will depend upon the development of robust and efficient materials and the related manufacturing skills.

ELAMATE: world class OLED materials

Invented by OLED-T, the ELAMATES® portfolio of materials offers dramatic advantages of cost, performance and large scale manufacturing capability to a flat panel display industry eager to reap the benefits of this new generation of display technology. The materials offer dramatic efficiency improvements of up to 80 per cent, and lifetimes of as much as three times that of competitive OLED materials.

Parameter	Red		Green		Blue
	Fl.	Ph.	Fl.	Ph.	Fl.
Efficiency	+66%	+80%	+20%	+3%	+46%
Life-time	+100%	+100%	+200%	+200%	+100%
Operating voltage at 1000 cd/m ²	-50%	-36%	-5%	0%	-3%

Table: Performance improvement of OLED display using OLED-T's electron transporter ELAMATE 246 versus a market leading competitive product

Since its inception, OLED-T has succeeded in building strategic relationships with some of the world's leading flat panel display manufacturers and suppliers to accelerate the pace of adoption of its technology.

Headquartered in London, UK, OLED-T has two laboratory facilities, a R&D facility on the Brunel University Science Park site, Uxbridge, UK and a display development and test facility on the Innova Science Park, Enfield, London, UK.

The company has built a technology development programme offering continuous advancements in OLED technologies by extending the range of available ELAMATES and their mode of application in devices.

OLED-T has over 66 patents filed, including 38 patents published and 7 patents granted, in the area of OLED materials and device structures. It sells its materials directly to OLED display manufacturers primarily in Asia.

Genesis

OLED-T was established to commercialise the ground breaking research in advanced electronic materials invented by Professor Poopathy Kathirgamanathan at London, South Bank University in the late 1990s.

Following initial funding from London, South Bank University, OLED-T was established in 1999 and Professor Kathirgamanathan, who led the pioneering research group joined the management team focused on establishing OLED-T as a viable commercial entity.

For further information please contact:

Stuart Marks / Stephen Waddington
Rainier PR
+44 (0) 20 7494 6570
smarks@rainierpr.co.uk
swaddington@rainierpr.co.uk