

Flat Panel Displays

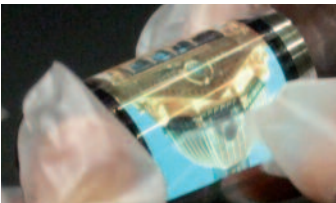
Flat Panel Displays (FPDs) are widely used for television, mobile communication devices, notebooks, desktop monitors, automotive, as well as avionic and industrial applications. As the next wave, they start to conquer the public displays, digital signage market, e-books and tablet PCs.

The increasing usage and adoption of Flat Panel Displays by various sectors in our daily life will further drive the market and the growth of the display industry.

There are various technologies competing in applications such as:

- liquid crystal displays (LCD)
- e-paper technologies
- organic light emitting diodes (OLED)
- plasma display panels (PDP)

For the future, we can expect flexible, rollable displays, 3D-displays with better viewing experience, and low cost and environmentally friendly ("green") displays.



Source: DFF



Source: Novaled AG

- The global market for electronic displays reached a value of € 85 billion in 2010 and is expected to reach € 105 billion in 2015
- TFT-LCDs dominate the overall FPD market with a share of 92 % and a production value of € 78 billion
- OLED displays will exceed the € 1 billion mark for the first time in 2011, reaching € 4.5 billion in 2015. OLED lighting is expected to exceed the € 1 billion mark by 2015.
- The global touch panel market is forecasted to surpass € 8 billion in 2011.

Why you should join DFF now

- Meet your potential customers and suppliers
- Discuss your ideas with other display experts
- Understand the technology and market dynamics of the flat panel display industry
- Obtain free access to our
 - Regular working group meetings,
 - Quarterly newsletters,
 - Conference and trade show reports,
 - Flat panel display market information.
- Obtain discount for our
 - Joint pavilions at international trade fairs
 - International Conferences
 - Training workshops

No matter what part of the added-value chain you are active in and irrelevant of what display technology or application catches your interest, the DFF has something valuable to offer you!

For joining the DFF, please contact the DFF secretariat or directly download the application form at <http://membership.displayforum.de>

German Flat Panel Display Forum (DFF)

A working group within VDMA



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DFF – German Who we are Flat Panel Display Forum



Cover picture: Sharp Electronics Europe GmbH

A working group within



Vision and Mission of DFF

- DFF enables its members to attain and sustain a leading position in Flat Panel Displays (FPD) industries.
- DFF catalyses and expands a network of excellence across the entire value chain, leading to new business opportunities.

The mission of the **German Flat Panel Display Forum:**

- DFF provides a **unique networking platform** of leading companies driving the FPD industry.
- DFF provides a **unique source of information** for FPD market participants.
- DFF assists in identifying and assessing **business opportunities** at all levels of the FPD value chain and application areas.
- DFF assists to design the **supply chains** for the innovative FPD technologies of the future.
- DFF promotes **entrepreneurial competence and excellence**.



Source: BMW AG

The services provided to our members are tailored to give you a maximum benefit and value for money:

- Working groups
- News services
- Fairs and conferences
- DFF advocacy
- Training, education and workshops

Who we are

Founded in February 2000, the German Flat Panel Display Forum is a working group within the VDMA (German Engineering Federation).

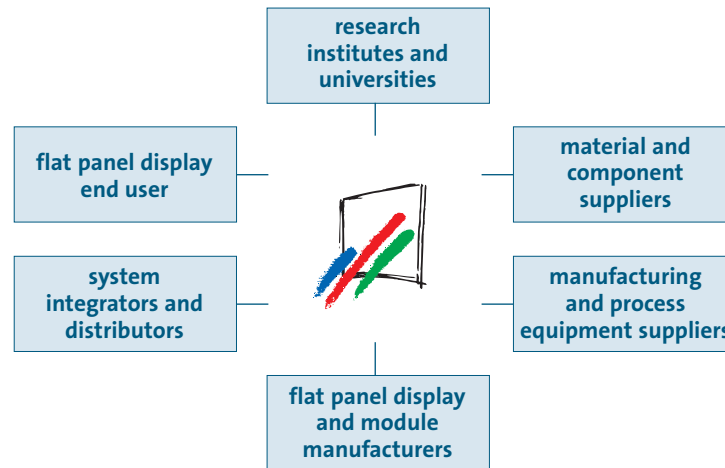
VDMA

The DFF is an integral part of the VDMA division “Innovative Business” which expands the activities of the VDMA in the field of new technologies such as organic electronics, productronics and micro technologies.

Nearly 3000 member companies from the investment goods industry make the VDMA the largest industry association in Europe.

A platform of expertise and know how

Of German origin, the DFF now is a growing international organization of more than 65 member companies and institutions from all parts of the flat panel display value chain:



Nowhere else you can find such a unique platform of excellence to promote your innovative business project!

Board

As a member-driven association, the DFF is guided by an active Board, comprised of industry and research institute executives.

Chairman FPD Applications

Prof. Dr. Karlheinz Blankenbach
University Pforzheim



Chairman FPD Technologies

Dr. Jörg Winkler, Plansee SE



Otto Bader
AEG Gesellschaft für moderne
Informationssysteme GmbH



Dr. Werner Becker
Merck KGaA



Hartmut Heske
Sharp Microelectronics
Europe GmbH



Robert Isele
BMW Group



Wolfgang Mildner, Poly IC GmbH
Poly IC GmbH & Co. KG



Gildas Sorin
Novaled AG



Dr. Jürgen Wahl
Optrex Europe GmbH

