

Subject           AEG Gesellschaft für moderne Informationssysteme mbH  
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## Press release

### Bi-stable displays for guidance systems

## “No power” LCDs at the Hannover Messe

AEG MIS (**M**oderne **I**nformations**S**ysteme) GmbH, a medium sized company with headquarters in Ulm, will be present on the Baden-Württemberg stand at the Hannover Messe exhibition (hall 4 / stand E24) and will display their latest product – ChLCDs.

ChLCDs are bi-stable liquid crystal displays which do not require power (or batteries) to display electronic information.

This is the first time AEG MIS will present its products at the Hannover Messe and the main focus is the ChLCD technology, the development of which was sponsored by BMBF “Bundesministerium für Bildung und Forschung” (Federal Ministry for Education and Research). This display technology is extremely economical and is characterised by the fact that written information remains visible on the display after the voltage supply has been turned off. (Power is only required during updates). Due to the reflective condition of the display, a backlight is not necessary and the display offers high visibility under various lighting conditions including direct sunlight.

Additionally, the ChLCD has an unrestricted viewing area of 360°, as well as an operating temperature range from –20° C to +80°C, therefore a large range of applications can be offered for indoor and outdoor placements.

With a full matrix display, a flexible representation of various typefaces is possible, including graphics, diagrams, pictograms and logos. This allows information to be arranged in a clear and individual fashion.

Currently displays are available in various colours as well as the following specified resolutions:

- 160 x 160 pixel, Viewing area H 125mm x L 125mm  
please see picture file „Auflösung 160 x 160 Pixel“
- 1024 x 768 pixel, Viewing area H 317mm x L 238mm  
please see picture file „Auflösung 1024 x 768 Pixel“

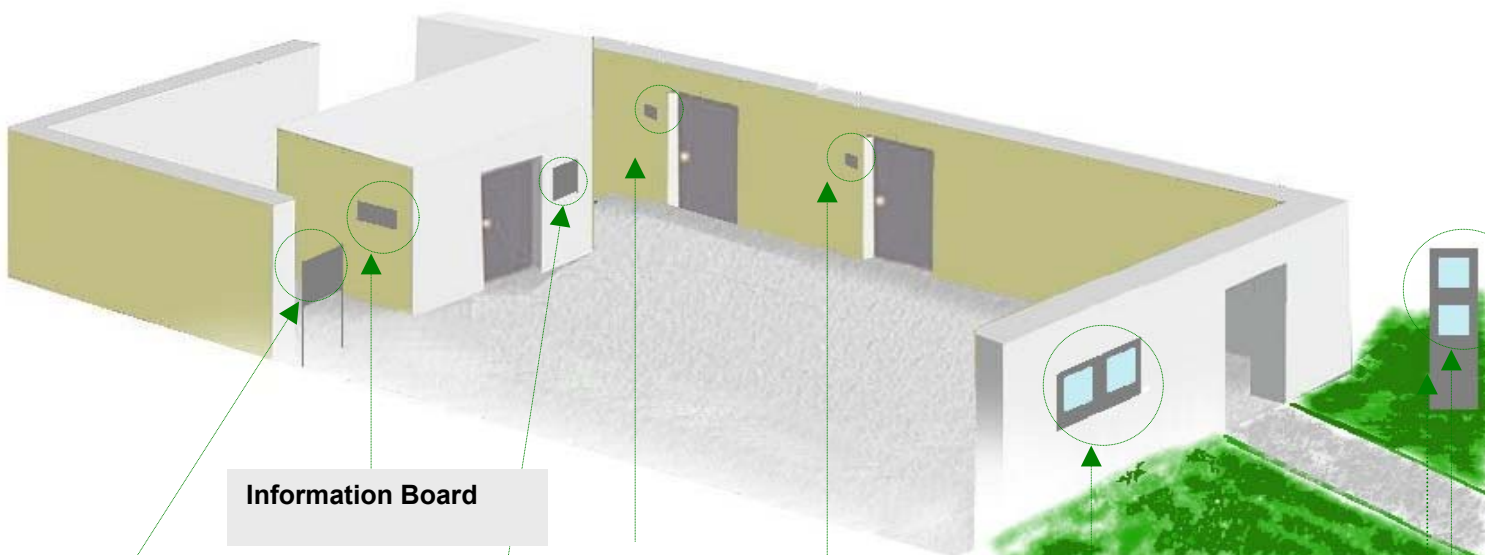
With this bi-stable LCD product, AEG MIS hopes to impact the building control and guidance system markets as these fields require clear and highly visible announcements. This product can be installed at locations where no power is available, therefore it is suitable for signs, welcome boards, door signage, direction boards, information terminals etc. (Please refer to the diagram titled “Application of ChLCD technology” on page 2).

AEG MIS is also active in other market segments of the display sector. You can find our products being used as passenger information systems, multimedia displays, industrial boards, parking guidance systems and in special fields such as avionics and automotives all over the world. Additionally you will find complete information systems from AEG MIS at airports and railway stations.

## APPLICATION OF ChLCD TECHNIQUE

### INDOOR AND OUTDOOR APPLICATIONS FOR:

Conference Centres, Hotels, Restaurants  
 Banks, Corporate Groups  
 Event Locations, Stadiums  
 Galleries, Libraries  
 Schools, Universities  
 Public Buildings  
 Hospitals, Clinics



Information Board

Welcome board / Menu board



Door signage / Name signage



Building control system

Direction board



Guidance system / Information terminal



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