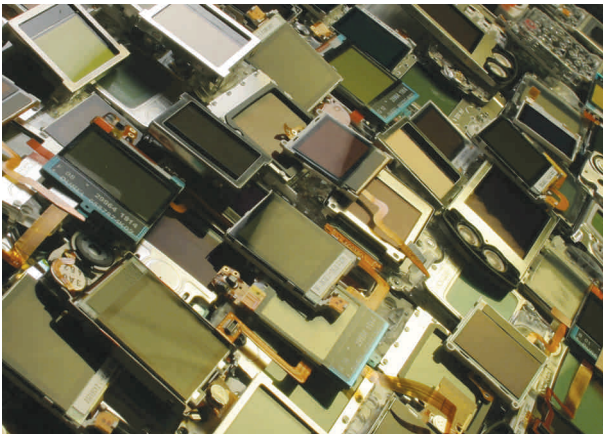


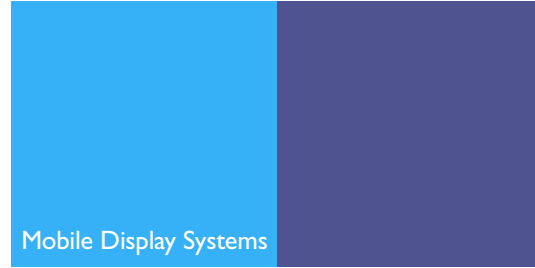
# Argo 2.0

While Active-Matrix LCD (AMCLD) technology has entered the mainstream for mobile displays, the high-performance, high-resolution segment of the market is still dominated by expensive Low Temperature Poly Silicon (LTPS) technology.

Philips, through its innovative use of inexpensive amorphous-silicon (a-Si) technology, has achieved ground-breaking levels of integration, enabling high-performance, high-resolution displays in volume at an overall cost that is significantly lower than that of LTPS.



## High-performance, high-resolution displays using inexpensive a-Si



### Principle of the technology

Using conventional, highly reliable a-Si technology, Philips is able to produce high-performance, high-resolution displays at a cost much lower than that of LTPS technology. Advanced pixel design, coupled with very high circuit integration on glass and low power consumption, produce displays that offer improved color performance in battery-powered applications. Low-cost manufacturing and ample fabrication capacity promise to speed the transition to high-performance displays, making advanced multimedia services more viable and more accessible to a wider audience.

### Advantages

- Higher integration on glass using conventional a-Si process
- Advanced pixel design coupled with very high circuit integration
- High-resolution formats at a reduced cost
- Improved color performance
- Lower power consumption
- Volume production capacity

# PHILIPS

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