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Liquid crystal display and photonics devices based on photoalignment

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Display and photonics liquid crystal devices are growing rapidly and there is no chance of any ot technology to be more advanced in these applications. A strong competition in the market will make further developments of new LC technologies extremely important and is a good chance to show superiority.

Photoalgnment and photopatterning materials can be effectively used in LC alignment and patterning for n generations of liquid crystal display and photonics devices that provide extremely high resolution a optical quality of alignment both in glass and plastic substrates, photonics holes etc. New LC display a photonics devices include ORW E-paper, field sequential color ferroelectric LC projectors (FLC-LCO photo-patterned quantum rods and 100% polarizers, q-plates, sensors, switchable lenses, windo with voltage controllable transparency, security films, switchable antennas.