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For the first time in Europe, Sharp showed prototypes of its newly developed oxide semiconductor technology, known as **IGZO**. At IFA Berlin, Sharp showed how IGZO technology will enable even higher resolutions, lower power consumption, and higher performance touch screens, as well as narrower bezel widths for LCD display panels used in mobile devices such as smartphones.

This jointly developed new IGZO technology is an oxide semiconductor with a cocktail of indium (In), gallium (Ga) and zinc (Zn). Each pixel in an LCD screen is controlled by its own transistor and IGZO creates several favorable characteristics over the amorphous silicon used in today's LCD panels.

One prototype 6.1” screen on show at IFA squeezed in 2560 pixels by 1600 pixels, or 498 pixels per inch. Or 50% increase on the 326ppi screen used in Apple's iPhone 4S and roughly double that of the new iPad. The difference is clearly visible so it’s time to buy Sharp stock again.

Watch Sharp’s IGZO at IFA