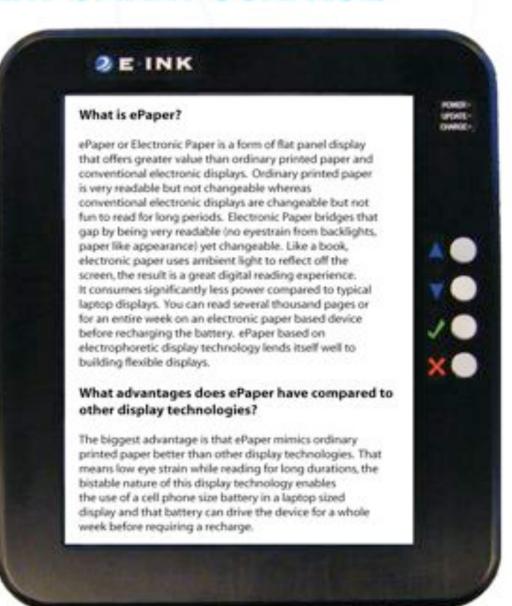
E INK ON EVERY SMART SURFACE

Electronic Paper

Sriram Peruvemba

Chief Marketing Officer

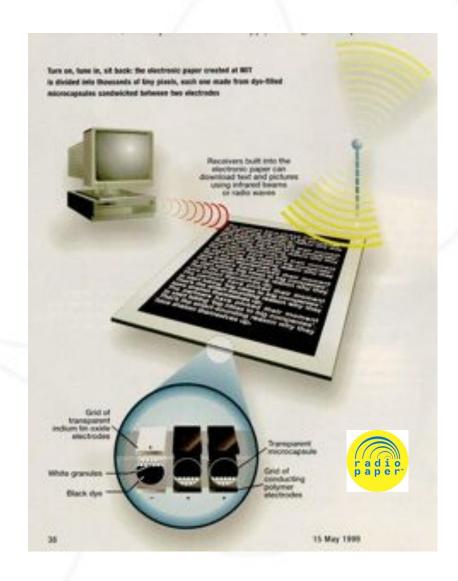
E Ink Holdings Inc

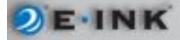




The Radio Paper Inspiration







1997: The Opportunity

\$400 Billion

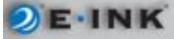




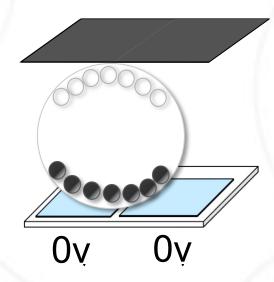
Electronic Paper

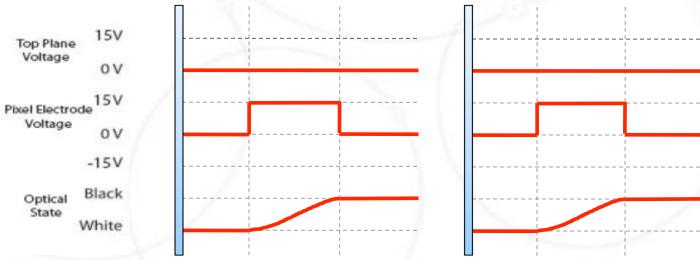


\$100 Billion

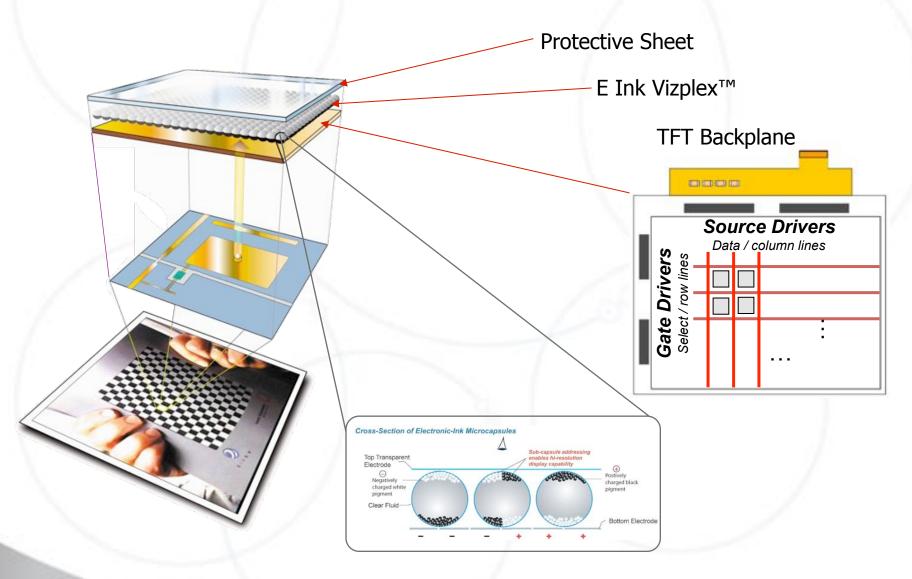


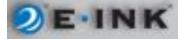
Electrophoresis





Display Stack

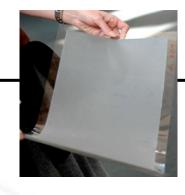




Active Matrix and Segmented



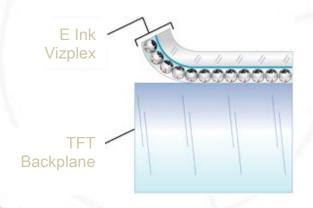
High Information Density Active Matrix Displays

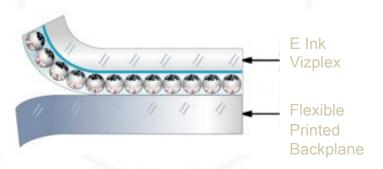


E Ink SURF Segmented Ultra-thin Rugged Flexible



Low Information Density Segmented Displays





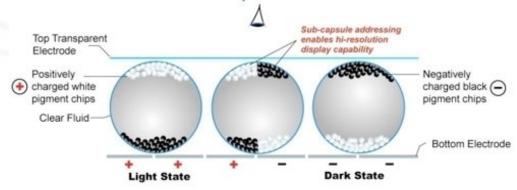


Paper Like





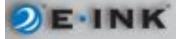
Cross-Section of Electronic-Ink Microcapsules



Note: For illustration purposes only - not drawn to scale. Copyright E Ink, 2003.



- made from bits of ink and paper



Low Power

12'' LCD for 20 hrs = 36





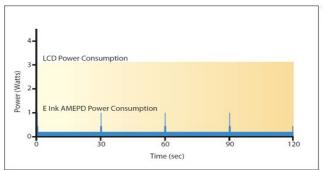


2.5 pounds

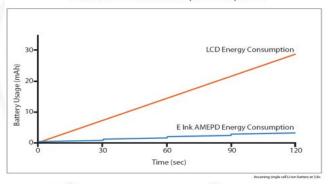
1 ounce!



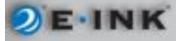
LCD vs E Ink Active Matrix Display System



LCD vs E Ink Active Matrix Display System **Cumulative Current Consumption Comparison**



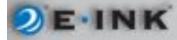
leave the power cord behind



Sunlight Readable



- no shade required



Low EMI

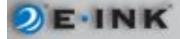








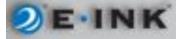
- keeps a low (EMI) profile



Wide Viewing Angle



see it fast from every angle



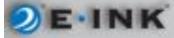
Flexible/Rugged





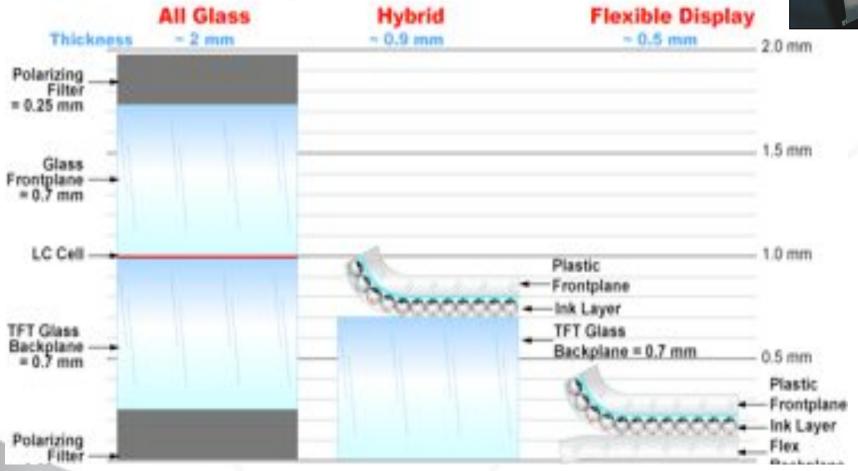


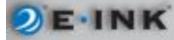
bends so your product wont break



Thin & Light







Millions of Flexible Displays in the Field

Cellphones

Indicators

Watches

Labels

Signage





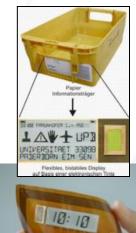












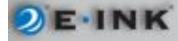










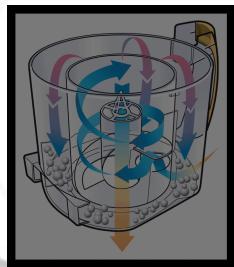


Ink-In-Motion™ Segmented Displays

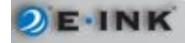












Recently Launched





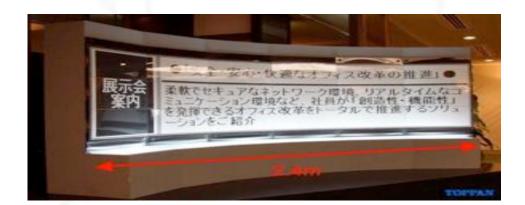


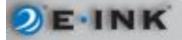












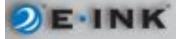
eReaders - A Great Fit

- Hockey Stick
- E Ink PearlTM raises the bar
- Tablet devices have helped educate the market



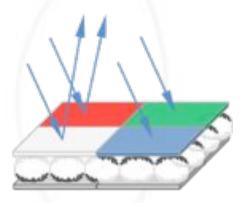


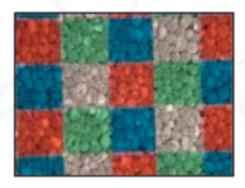




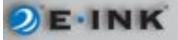
E Ink Triton Color ePaper

- Outstanding outdoor performance
 - Looks great in direct sunlight
- Paper-like appearance
 - Best color ePaper experience
- Enables new markets
 - Beyond monochrome display markets
 - eTextbooks, eNewspaper, Signage
- Low and No Power
 - Power sipping like E Ink Pearl
- Proven performance
 - Two pigment system, with CFA overlay is proven and stable over life of product
 - Triton leverages core E Ink technology
- Processes and capacity built to meet rapid demand of new industry
 - Leverages E Ink manufacturing expertise and supply chain; millions of ebook displays shipped to date
 - Triton leverages ePaper and LCD manufacturing processes used in MP today

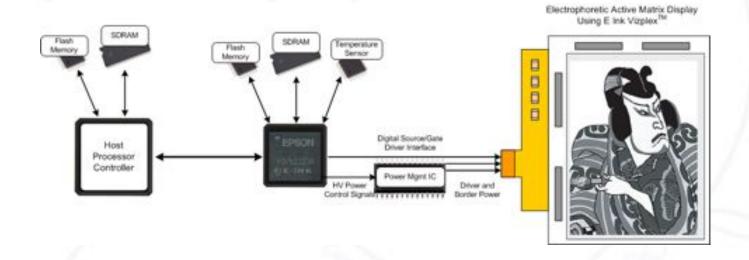


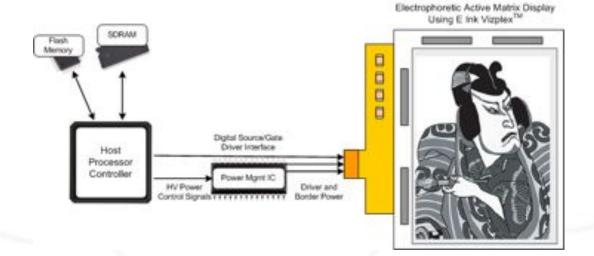


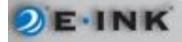




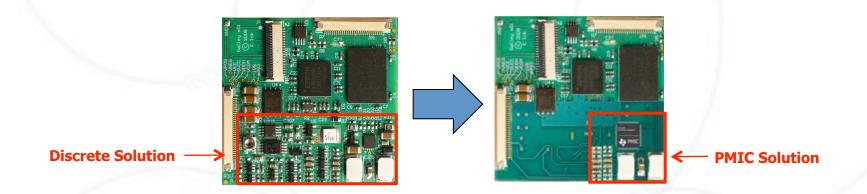
Cost Saving: SOC

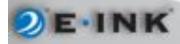






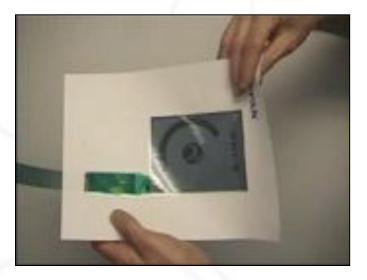
Cost Saving: PMIC

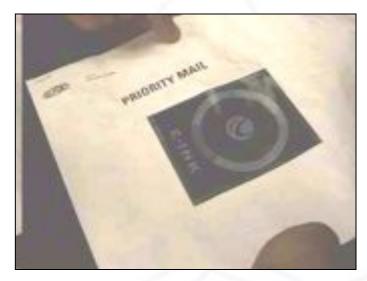




Electrophoretic Material is Intrinsically Flexible

Plain Paper





DuPont Tyvek™

Cloth





Thin Plastic

Compatible with many substrates for segmented backplane displays



Killer Application?

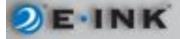




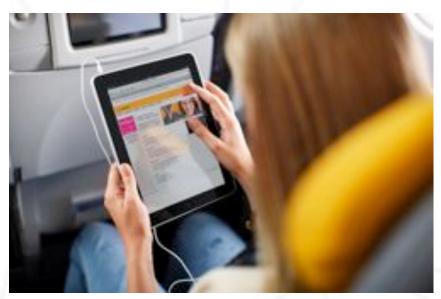


- 100M post secondary students worldwide
- Dedicated eTextbooks with flex and color displays
- A library in every village; for every child





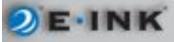
Tablet (LCD) vs eReader (EPD)



- Web browsing and email
- Video entertainment
- Gaming
- Edu-tainment
- Light reading
- Heavy interactivity
- Multi-tasking



- Content "always on"
- Rough handled like a book or notepad
- Weeks between charging
- Readable in any environment
- Moderate interactivity
 - i.e. note taking, navigation, typing
- Focused activity: Single-tasking



Thank You

Sriram Peruvemba

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Cambridge, MA
speruvemba@eink.com
www.eink.com





