

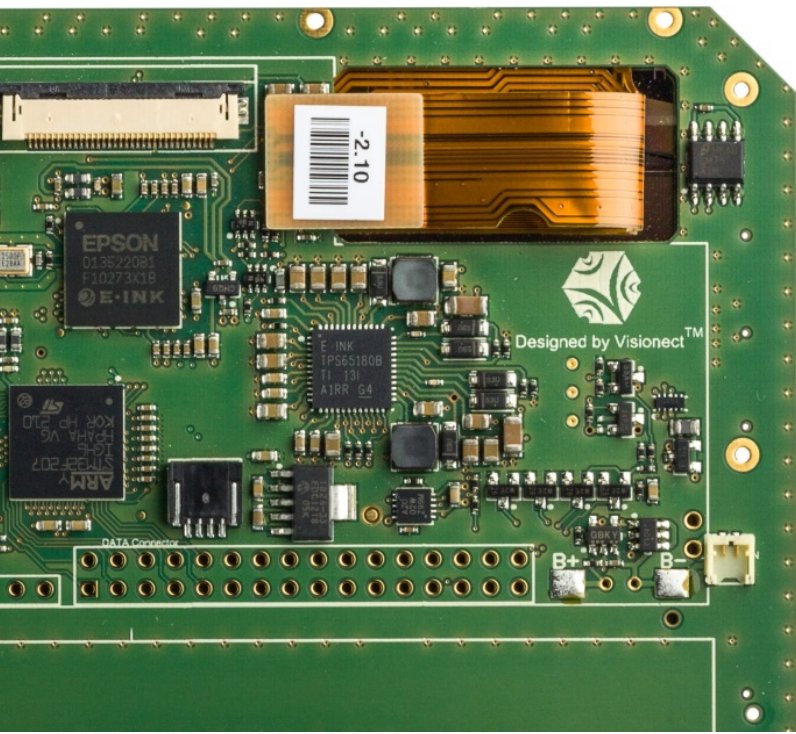
Delivering on the promise of e-paper



VISIONECT

Luka Birsa, CTO, Visionect
www.visionect.com

Introduction



- Cofounder/CTO of Visionect
- **Visionect** has been working for 8 years in the field of e-paper based solutions
- We provide an **e-paper digital signage platform**

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Outdoor

Temporary route changes

24 Buses towards Hampton Heath

Line	From	To	Days	Time
24	Hampton Heath	Hampton Heath	Mon-Fri	06:30-10:00
24	Hampton Heath	Hampton Heath	Sat	07:00-10:00
24	Hampton Heath	Hampton Heath	Sun	07:00-10:00

1480 Buses towards Cambeswell

Line	From	To	Days	Time
1480	Cambeswell	Cambeswell	Mon-Fri	06:30-10:00
1480	Cambeswell	Cambeswell	Sat	07:00-10:00
1480	Cambeswell	Cambeswell	Sun	07:00-10:00

B 6 AM - 8 PM
MON - SUN
← BUS LANE →

NO STOPPING

↔

CLEARWAY SPECIAL EVENT

C

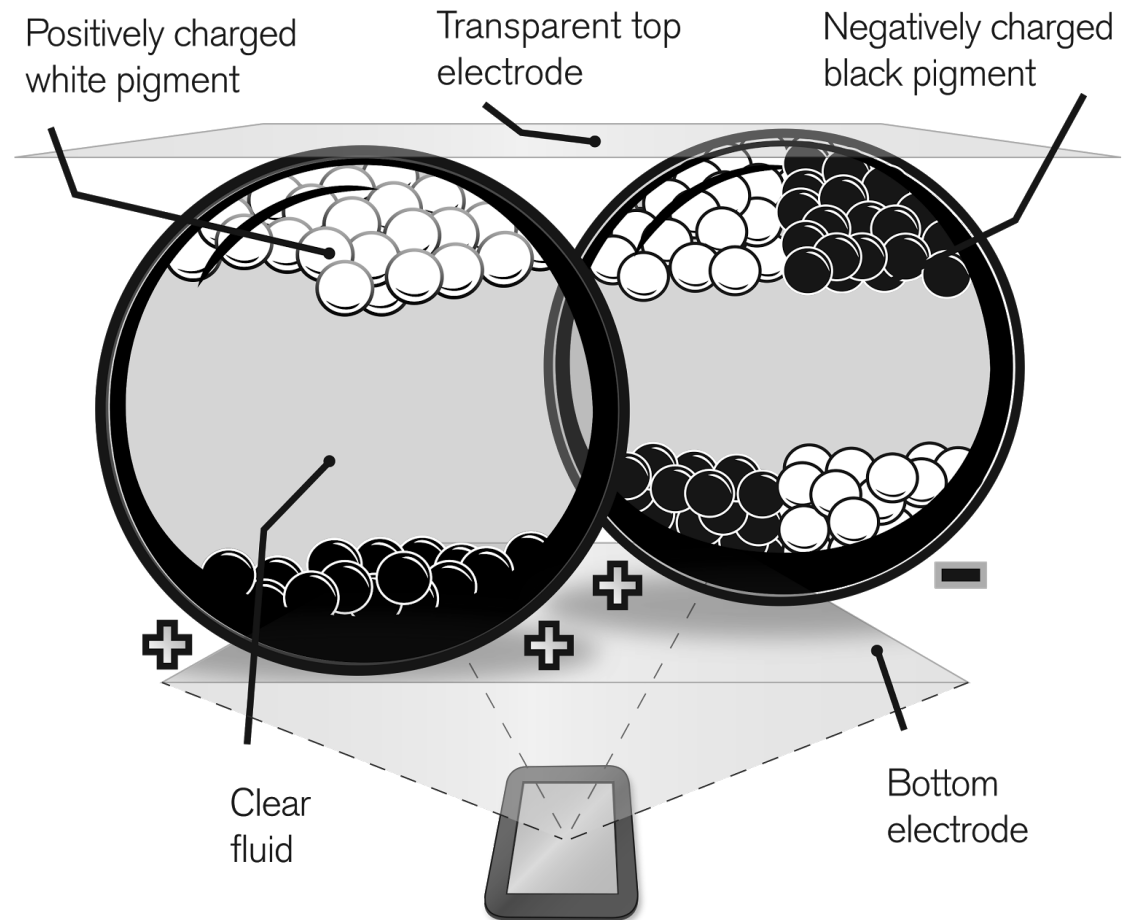
TMC 132 701

6 AM TUE 31 DEC 2013
TO
4 AM WED 1 JAN 2014

Indoor



What is e-paper?



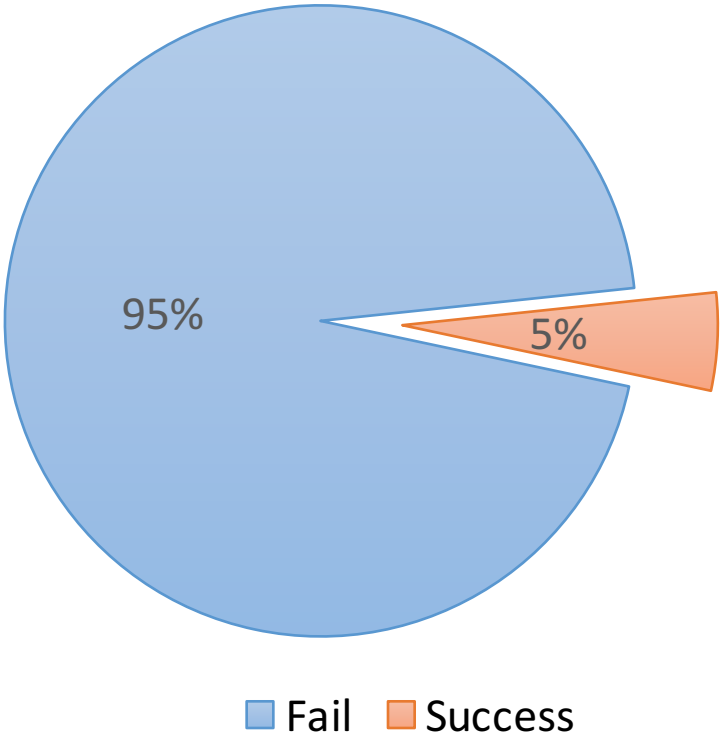
Why e-paper digital signage?



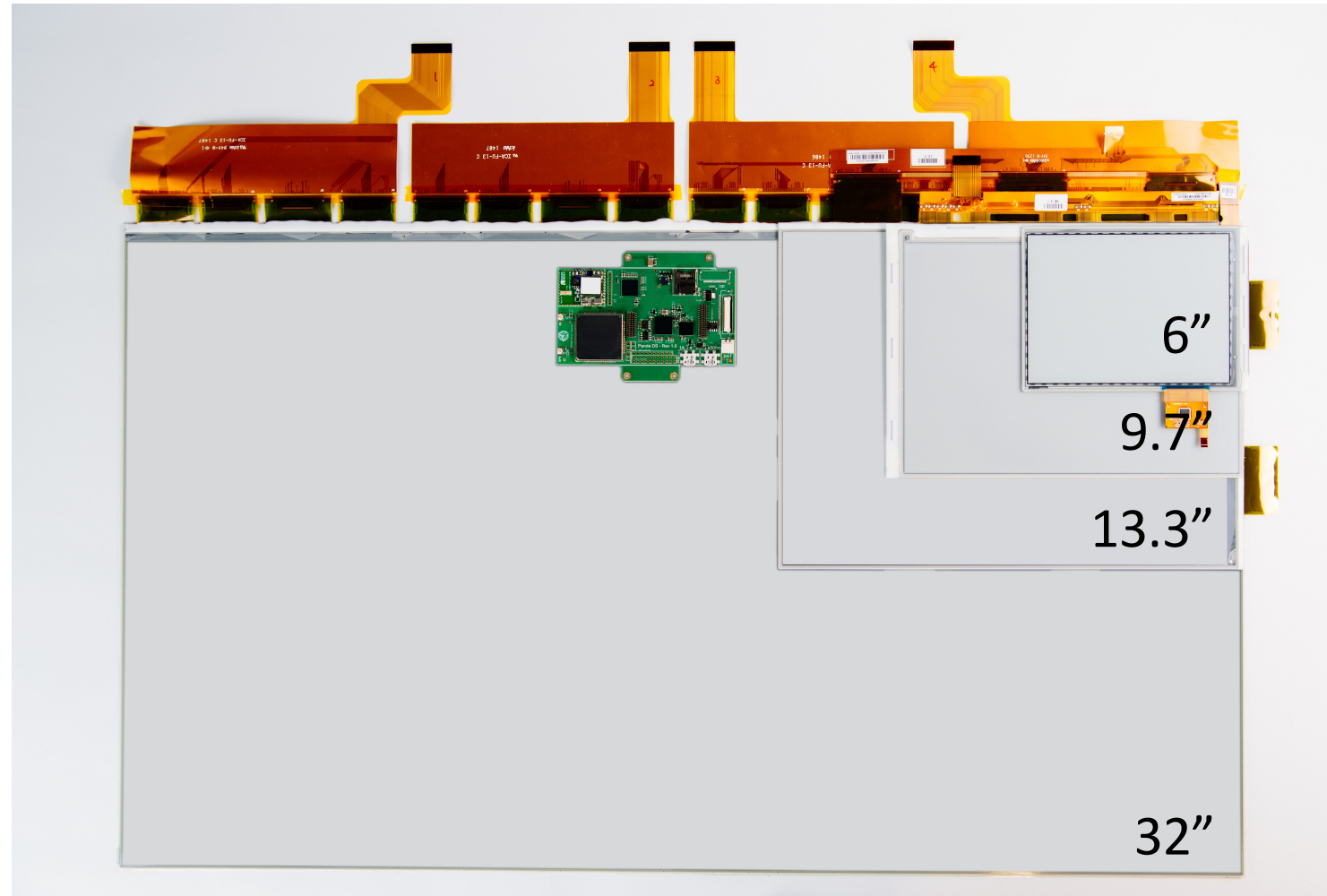
- Different to LCD/LED – requires less power
- Sunlight readability
- Enables “Self-sustainable” display units with the help of solar
- Downsides:
 - No video or fast updates

Limited success so far.

E-paper signage projects



Limited size options.



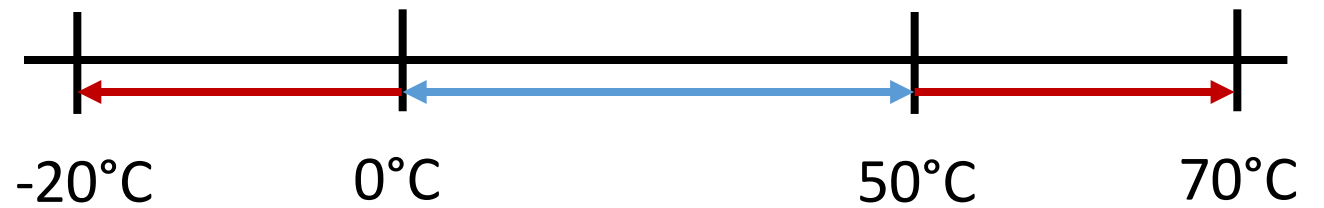
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Colors
are not
there yet.



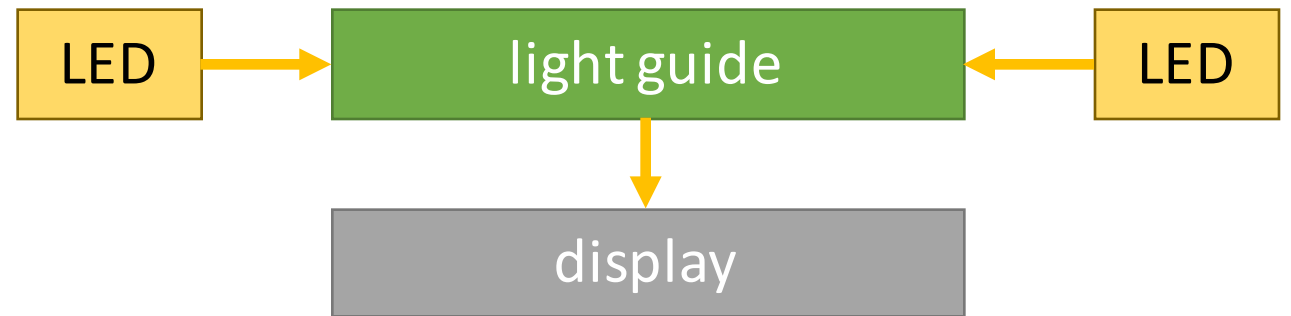
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Limited operating temp.

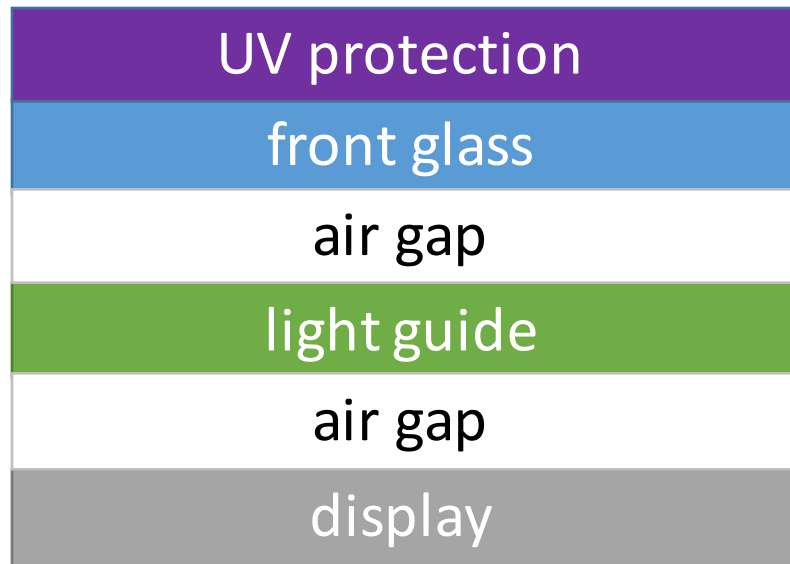


- Normal temp. range
- Extended temp. range

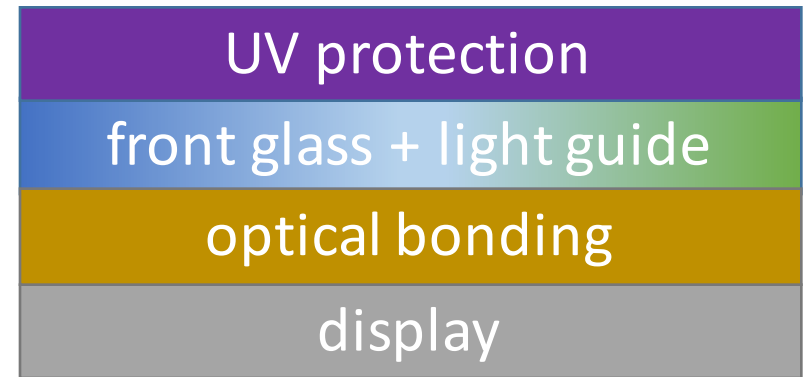
Lighting is a challenge



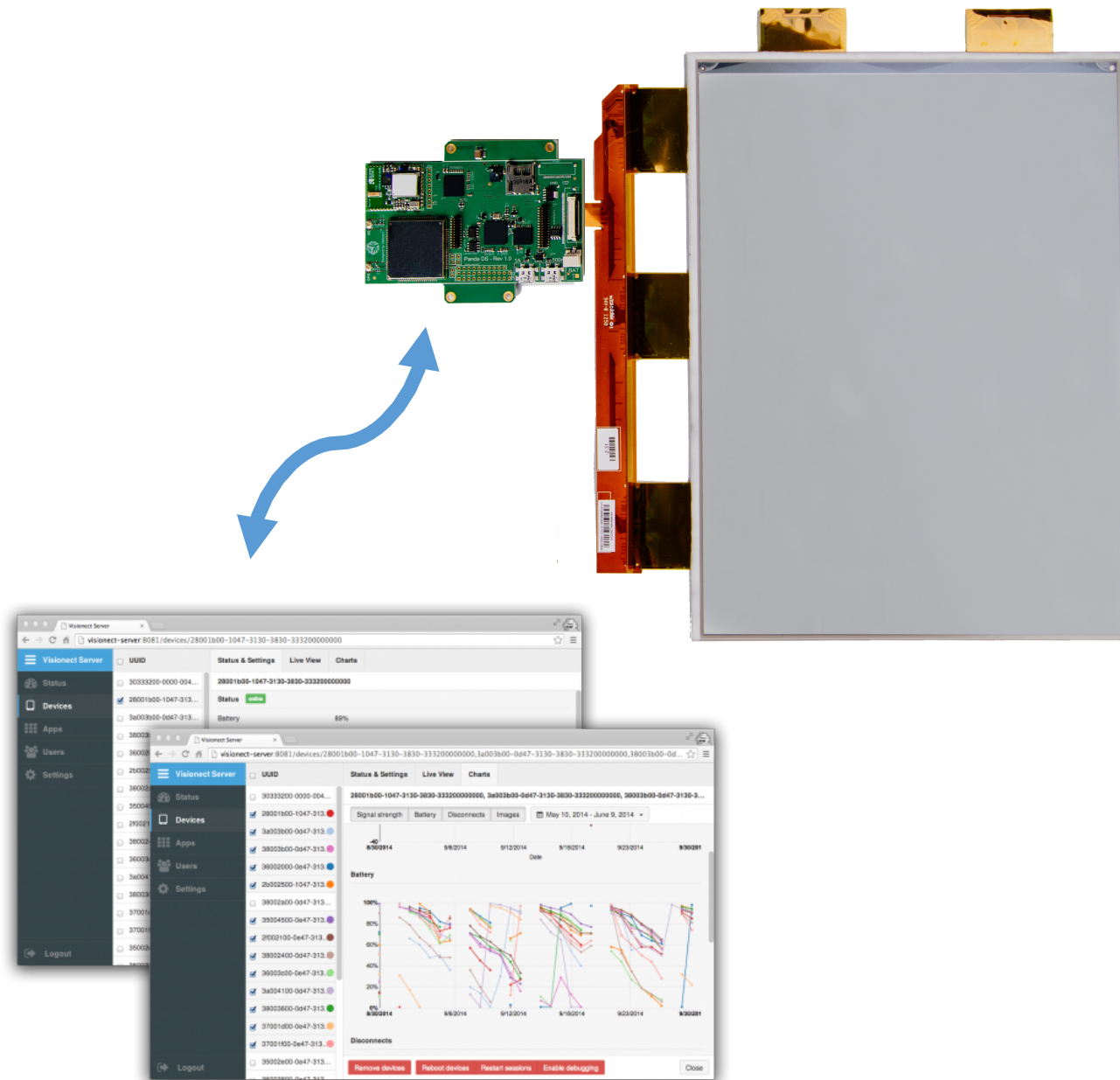
Display stack



30% better contrast



Driving e-paper finally simplified



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Connected road signs

Sydney, Australia

Road and Maritime Services
2015



Engadget @engadget · Jul 27

Sydney gets world's first e-ink traffic signs engt.co/1Vlp4s3



Mashable @mashable · Jul 28

'World first' electronic ink traffic signs trialled in Australia
on.mash.to/1Sb0OQ5



Yahoo News Tech @Ya

Sydney gets world's f



Self-sustainable bus stop displays

Transport for London

London, UK
2015



Tom Forth @thomasforth · 50 mins

I love that London's new e-ink bus displays are made by a company in Slovenia. visionect.com/about#contact



Self-sustainable Public Information Displays

- Central management and distribution
- Real-time information (ETA) and alerts
- Personalized and Context Based
- **IoT** and Cloud Infrastructure for Smart Cities



Katarina Jenko @KatarinaJenko · Dec 1

Ej [@visitljubljana](#), prisluškujem turistki, ki svršava nad tem, kako je Ljubljana high tech. Stojimo pred lpp digi time tablo na postaji.

Opp Blk 2C 80101

Service	Due in (min)	Next	Service	Due in (min)	Next
21	6	25	853	2	15
26	3	12	961		
31	8	19	985		
140	2	13			
175	14	34			

ETA Signs, Singapore, 2015

- 32 inch color
- 2W Power including backlight
- GTFS enabled
- 20 mins installation, no roadworks

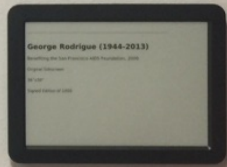


London bus destination blinds

Transport for London

London, UK
2015

@acid2 woow ... @visionect is really kicking ass visionect.com/blog/e-paper-e-... ... i use their development device to control my RPi :)



Digital Museum Labels, Houston 2016.



Storm room

Design workshop

by Jamie Connor

Available at 10:30 AM



JOAN

Meet later?

Timetable

X





Smart electronic shelf labels, Ljubljana, Slovenia, TS 2014

Doing electronic paper signage right



- Work with a company that has experience with e-paper enclosures / display units.
- Find a reliable supplier for HW and FW
- Good management software is a requirement
- Customer coaching and support to set the right expectations

Questions?



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