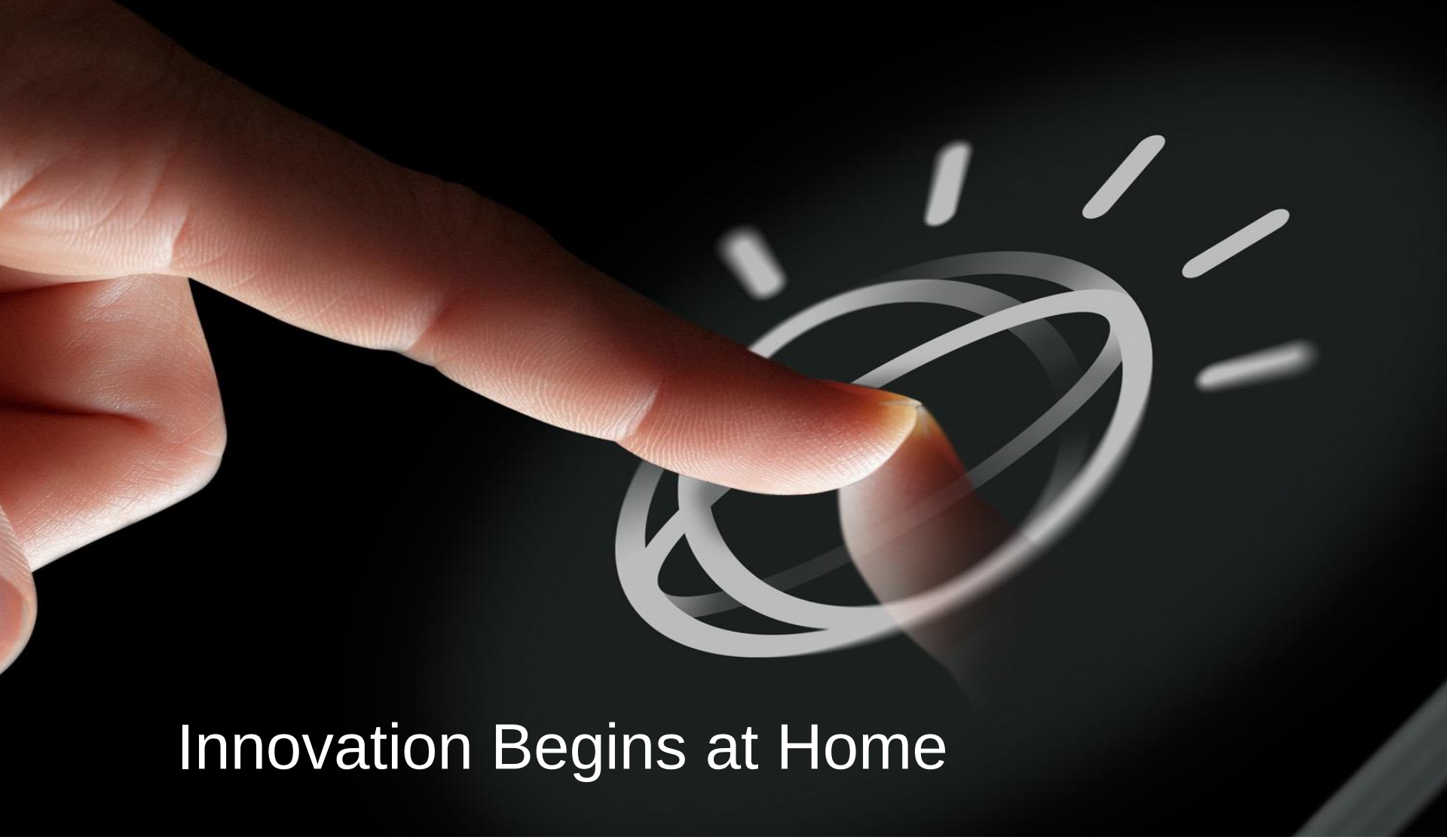

Innovation Begins at Home

Andy Stanford-Clark

Chief Technology Officer for IBM UK & Ireland

Master Inventor, Distinguished Engineer, Fellow British Computer Society

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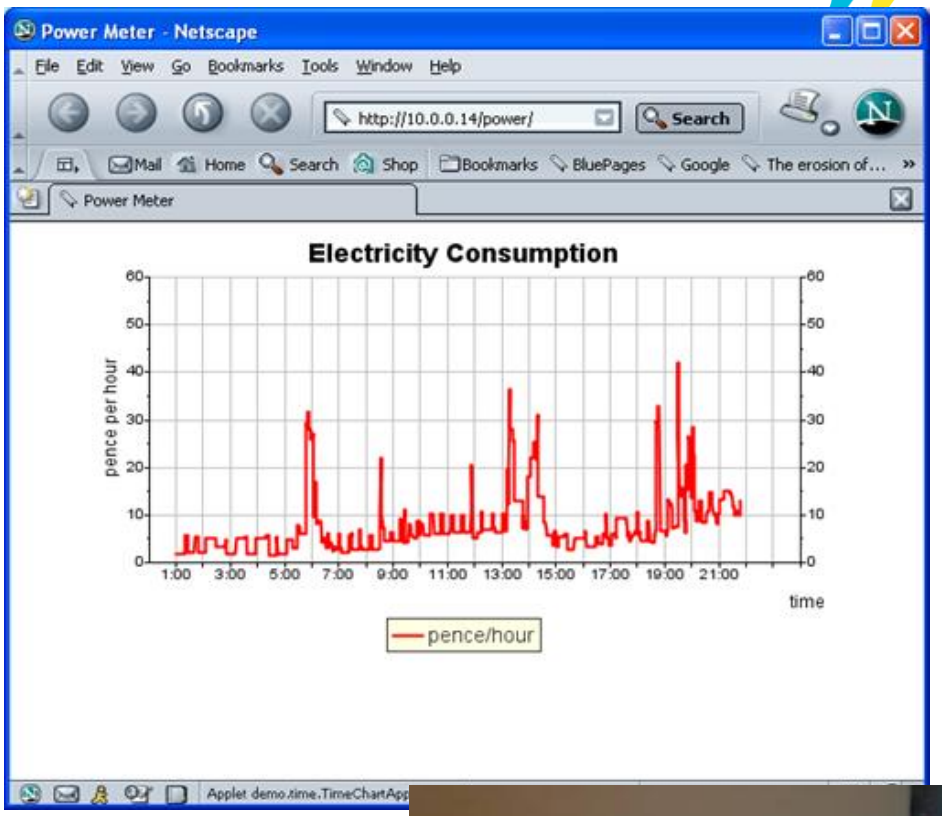
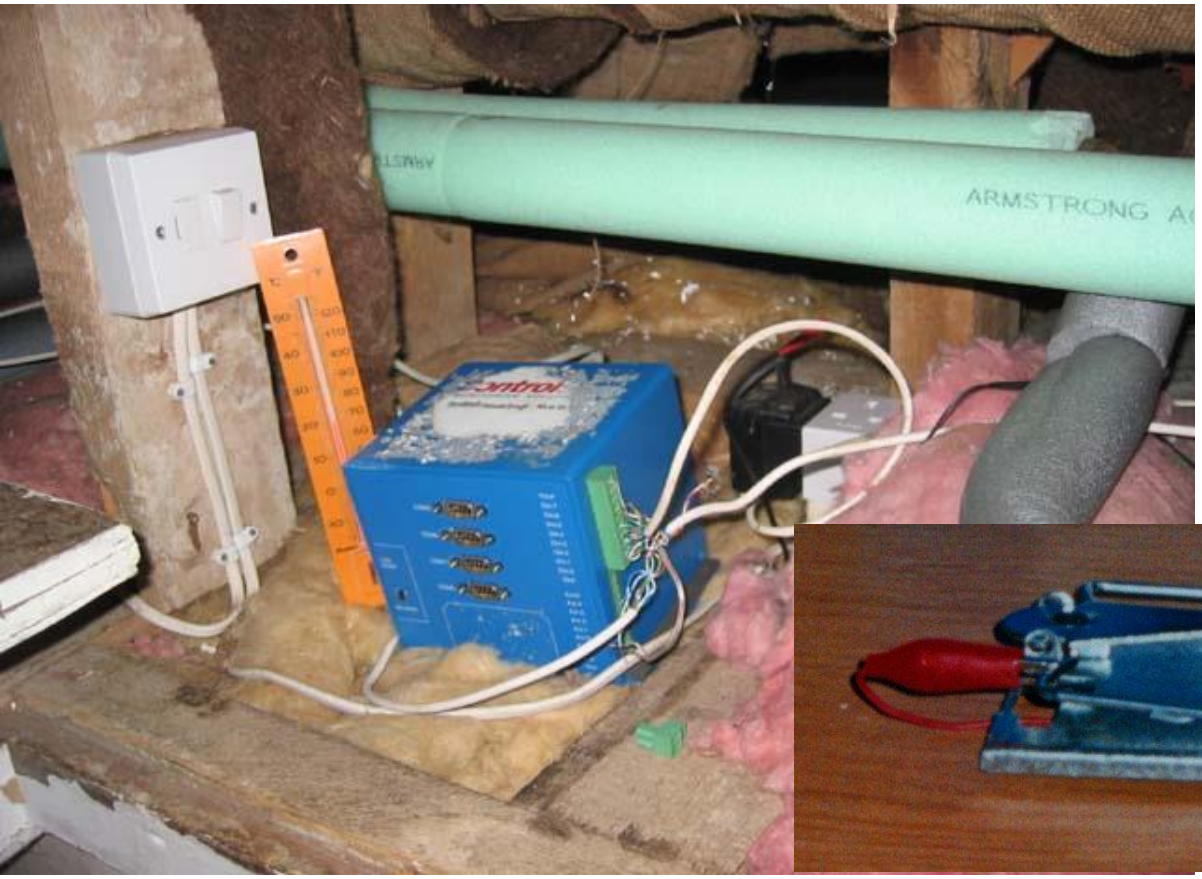
Electricity Monitoring

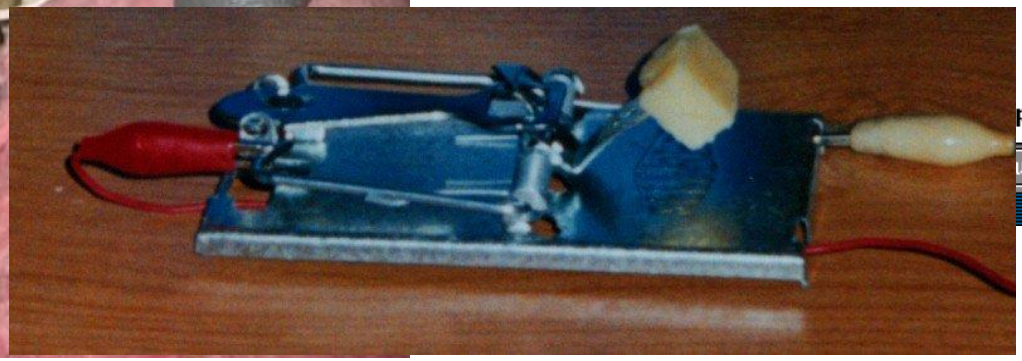


0-20p/hour – green
20-40p/hour – amber
40-60p/hour – red!

TXT the reindeer!

Inventing a better mousetrap!

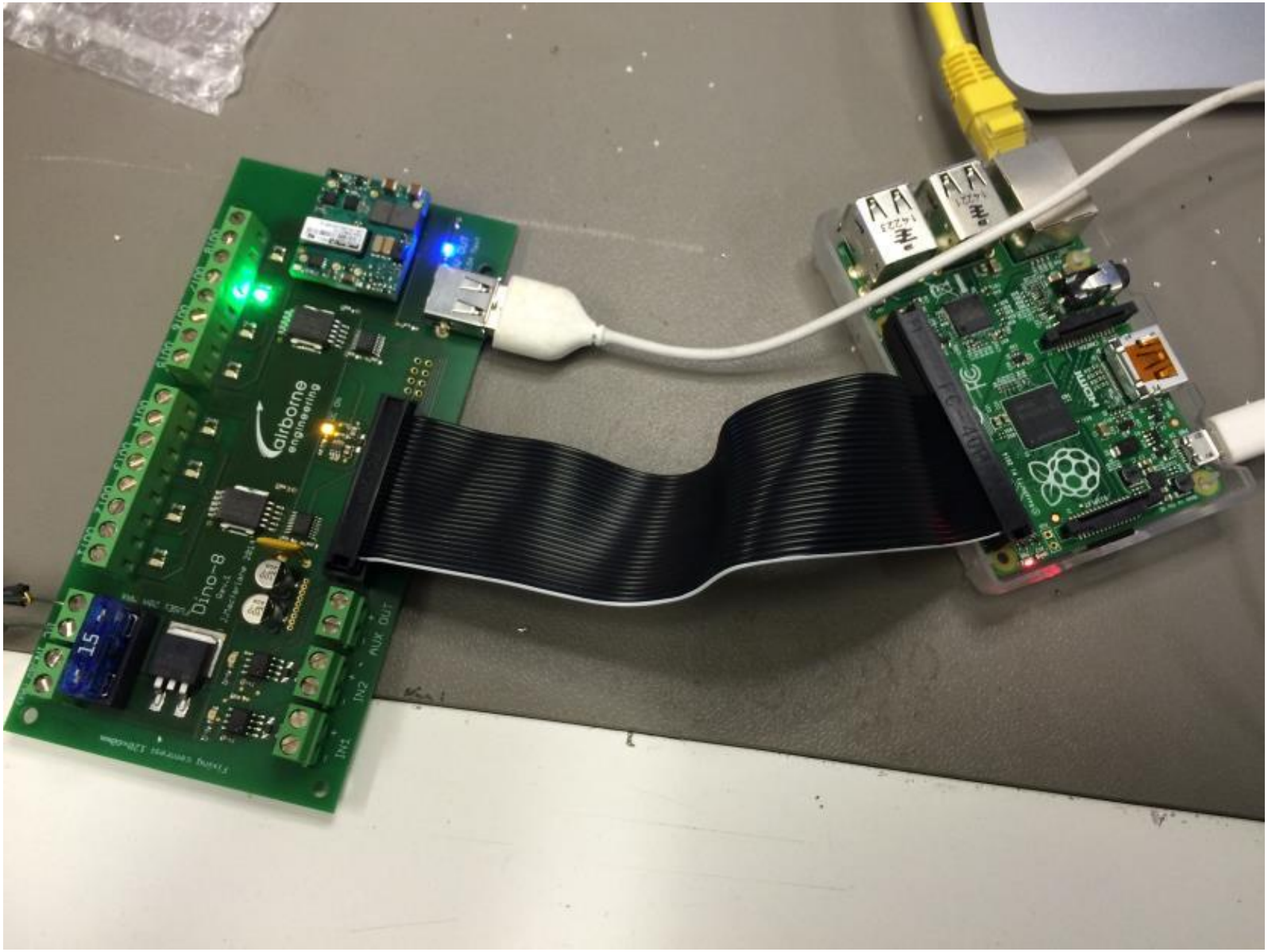




Internet of Dinosaurs

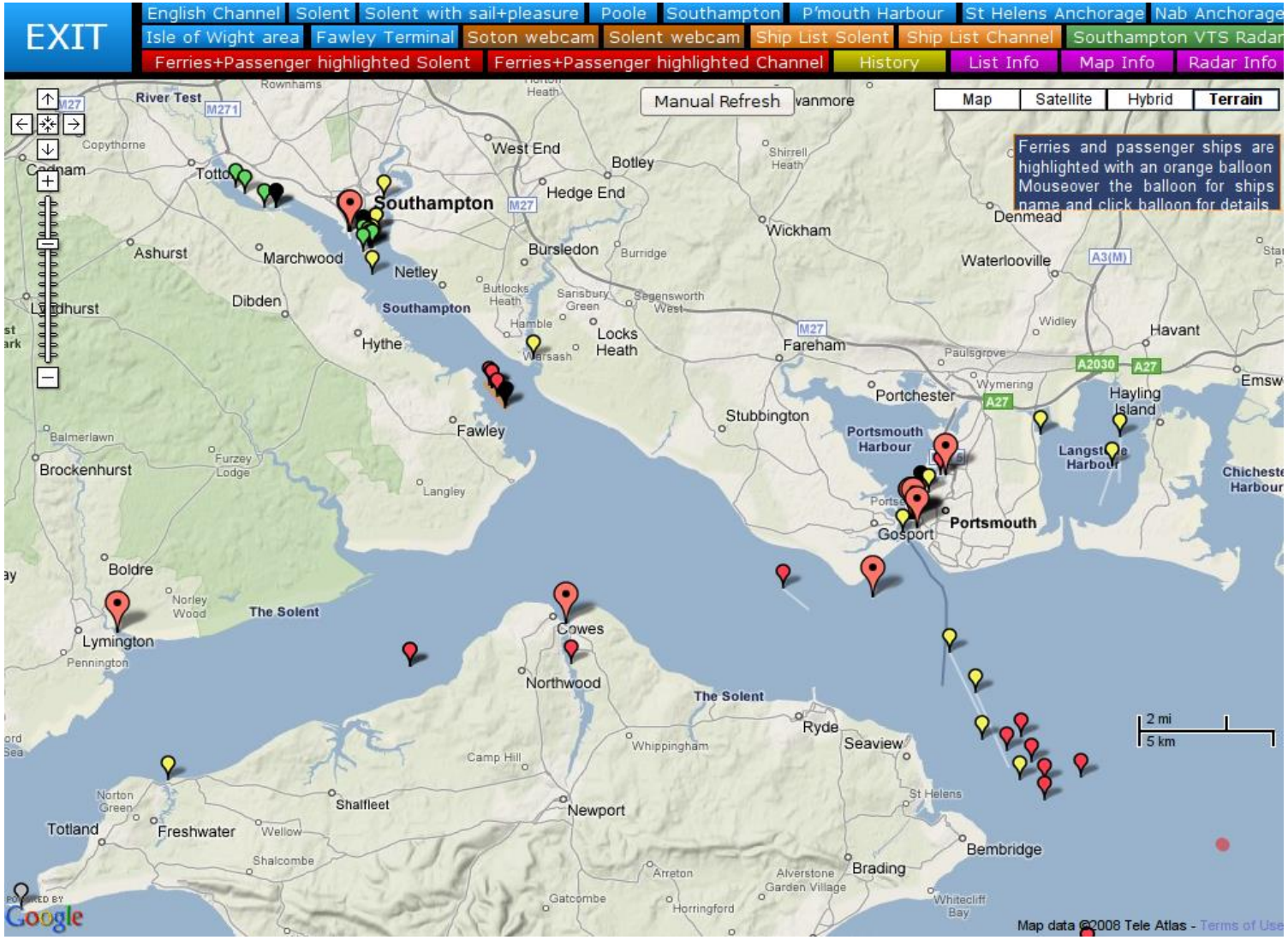
The Internet of Dinosaurs!

ROAR


airborne
engineering
Dino-8
15
AUX OUT
IN2
IN1

Twittering Ferries

Live Ferry Tracking



redjets

Follow

twitter.com/redjets

00:40 - Red Jet 3 has arrived at Southampton
about 2 hours ago from web

Previous

00:18 - Red Jet 3 is leaving West Cowe
00:14 - Red Jet 3 has arrived at West C
23:49 - Red Jet 3 is leaving Southampt
23:38 - Red Jet 3 has arrived at Southa
23:17 - Red Jet 3 is leaving West Cowe
23:09 - Red Jet 3 has arrived at West C
22:47 - Red Jet 3 is leaving Southampt
22:39 - Red Jet 3 has arrived at Southa
21:38 - Red Jet 1 has arrived at Southa
21:08 - Red Jet 3 has arrived at Southa
20:19 - Red Jet 3 is leaving Southampt
20:17 - Red Jet 1 is leaving West Cowe
20:14 - Red Jet 1 has arrived at West C

wightlink_lym

Follow

15:20 - Cenwulf has arri
about 10 hours ago from web

14:45 - Cenred has arriv
about 10 hours ago from web

14:44 - Cenred is leavin
about 10 hours ago from web

14:34 - Cenred has arriv
about 10 hours ago from web

14:00 - Cenwulf is leavir
about 11 hours ago from web

13:34 - Cenwulf has arri

red_ferries

Follow

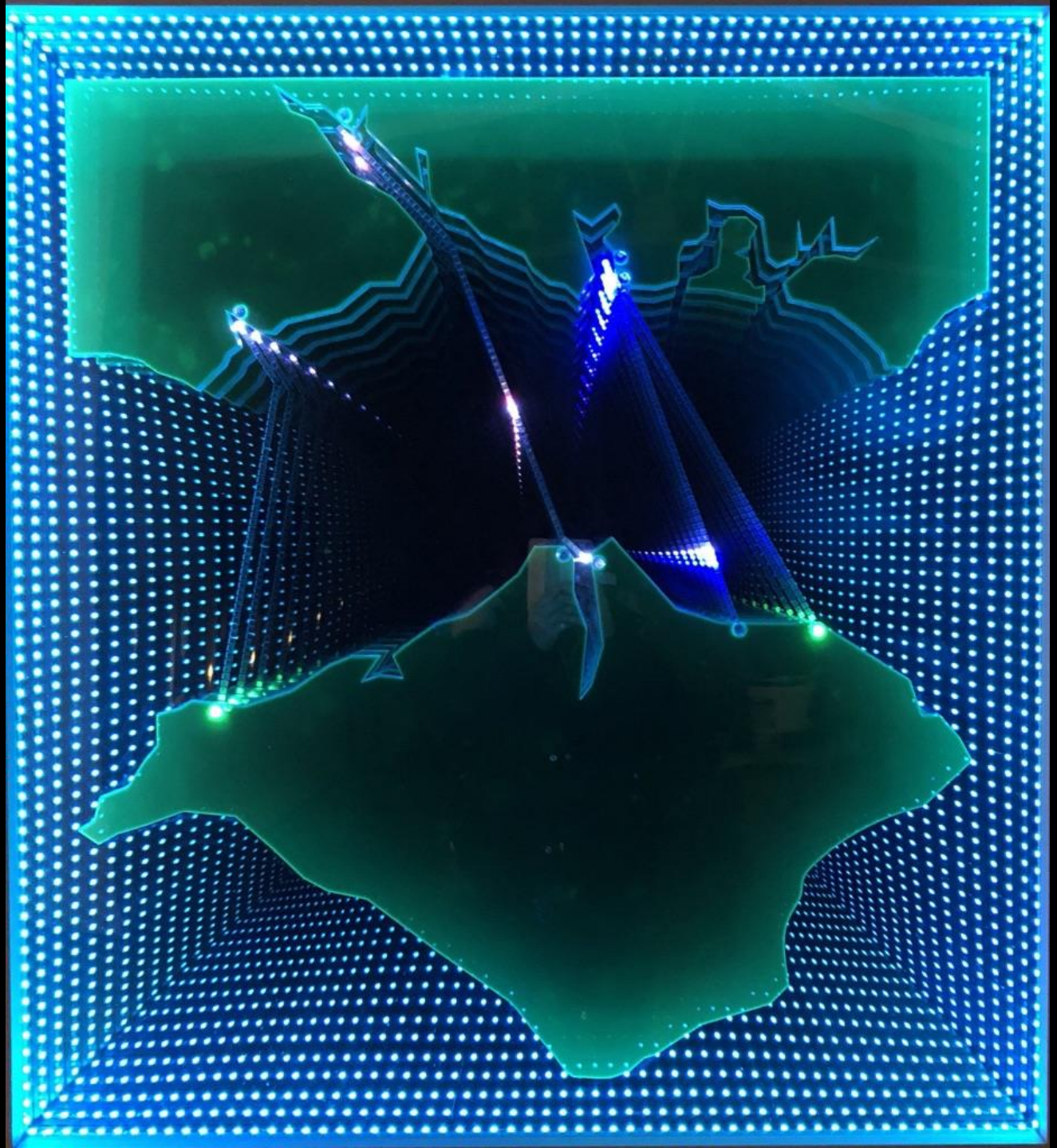
16:02 - Red Falcon has arrived at East Cowes
4:02 PM Feb 3rd from web

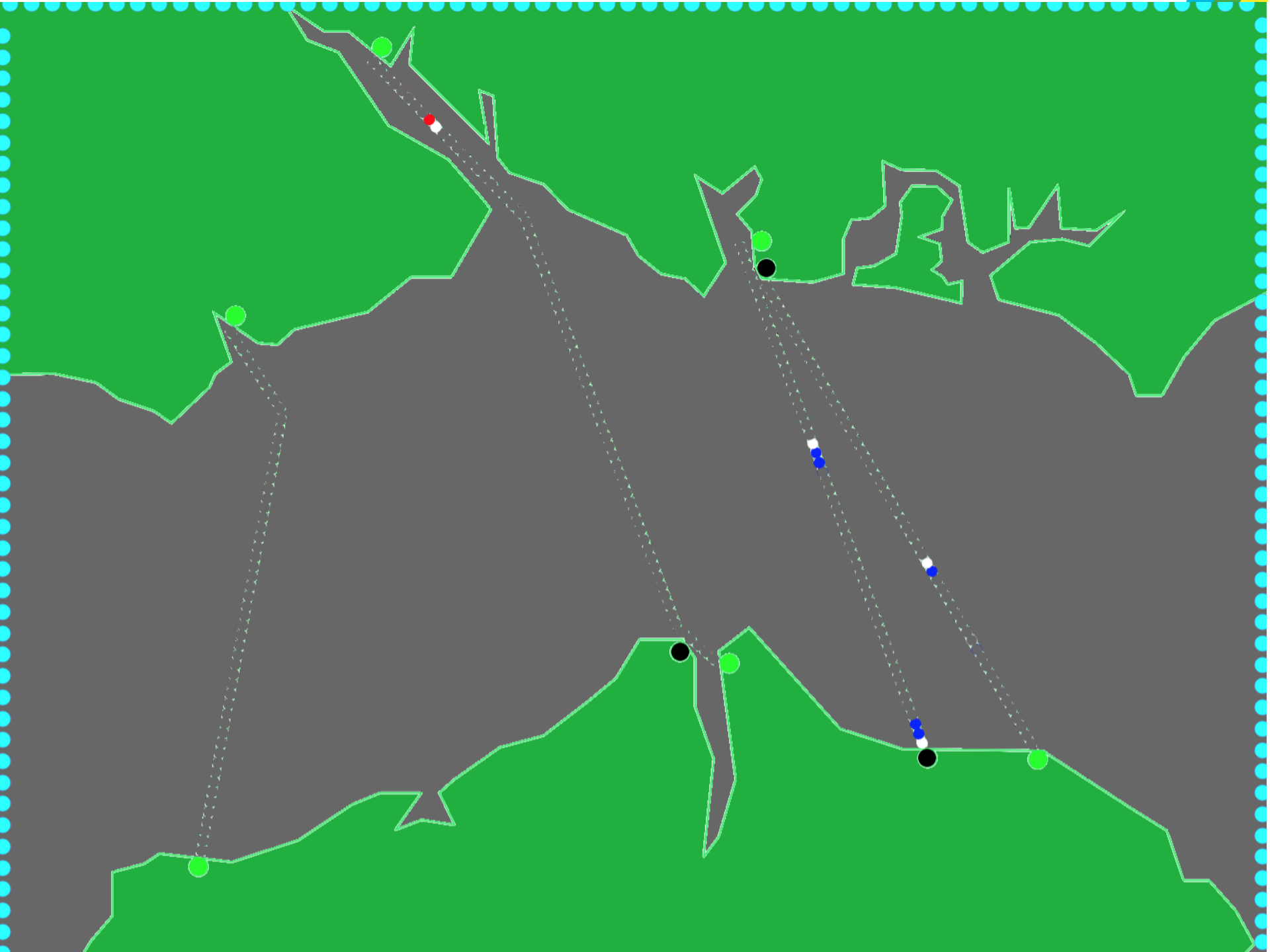
15:58 - Red Osprey has arrived at Southampton
3:58 PM Feb 3rd from web

15:48 - Red Eagle has arrived at Southampton
3:49 PM Feb 3rd from web

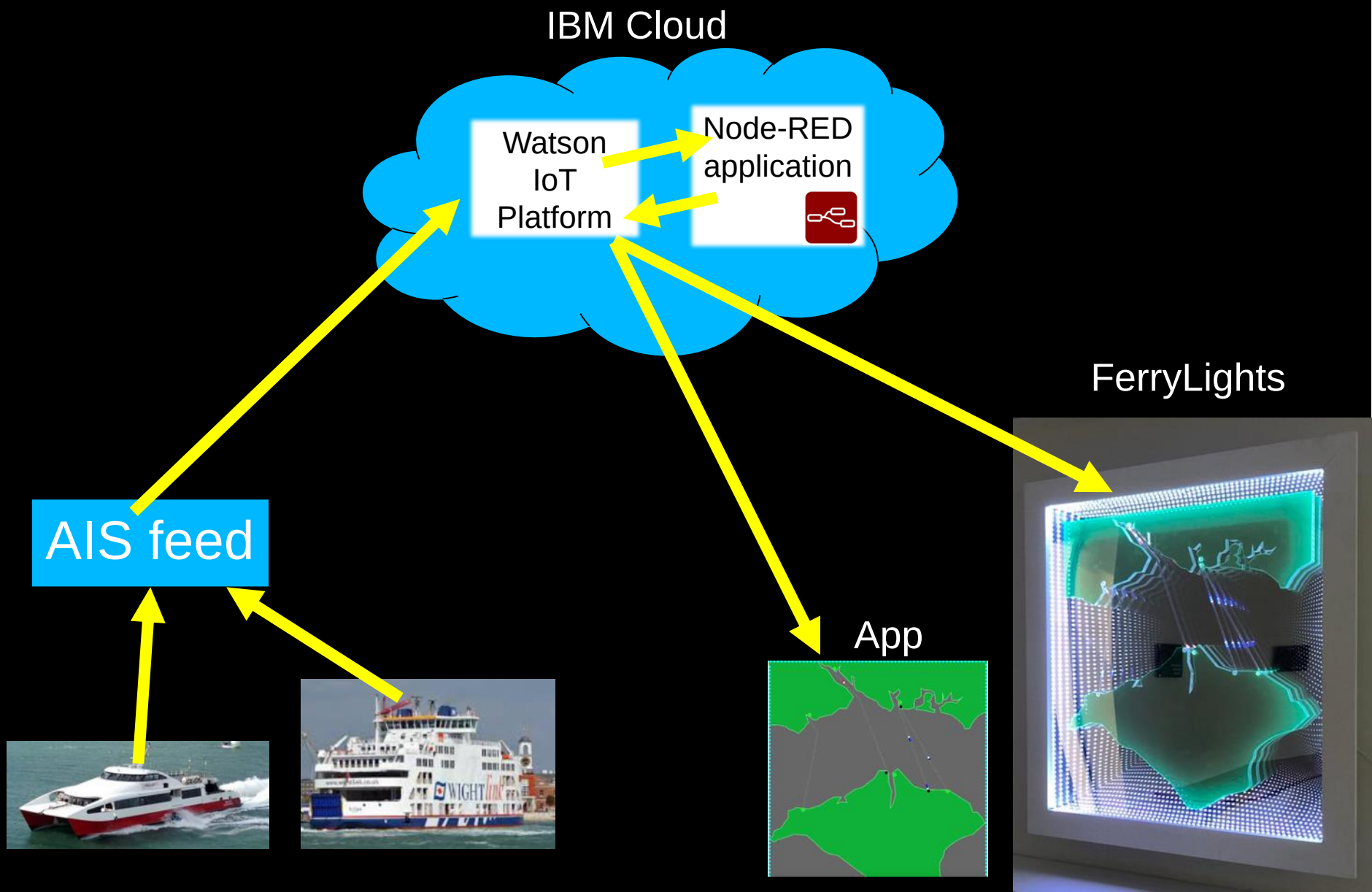
15:45 - Red Eagle is leaving Southampton

Ferry Lights



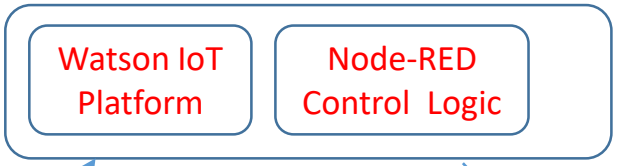


Data Flow

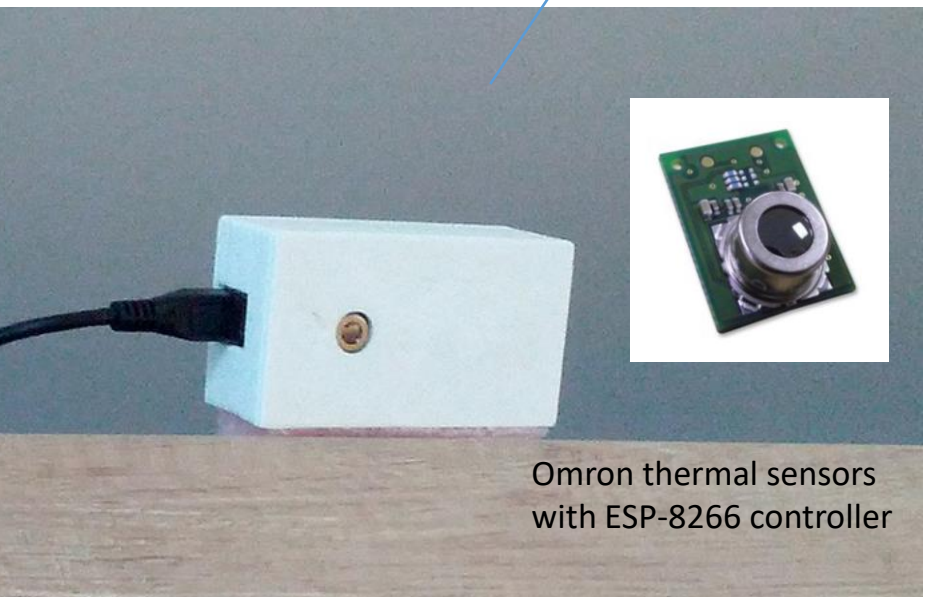

IBM Cloud
Watson IoT Platform
Node-RED application
AIS feed
App
FerryLights

A Day at the Zoo

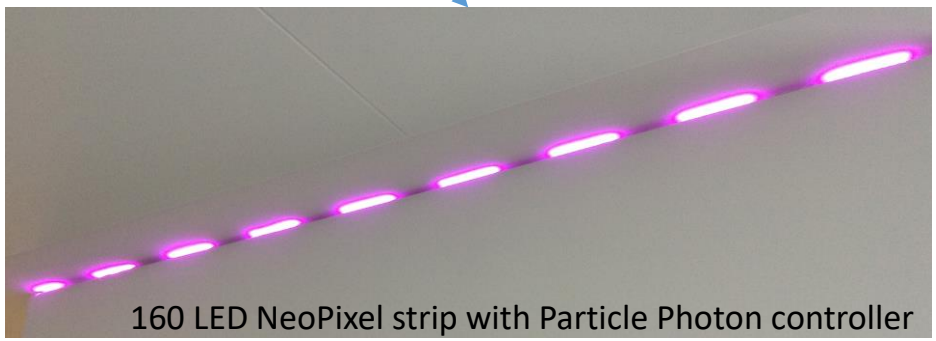
Coffee Bar “busy-ness” sensor



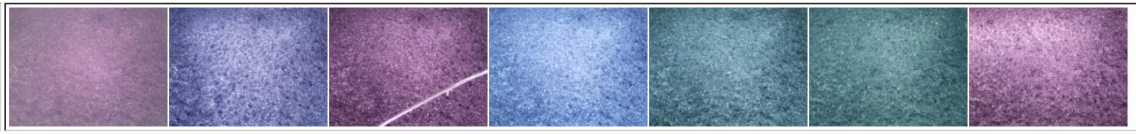
Coloured LED strip displays an indication of how busy the coffee bar is, to help you plan your visit



Omron thermal sensors with ESP-8266 controller



160 LED NeoPixel strip with Particle Photon controller

false	
true	
false	
true	
false	
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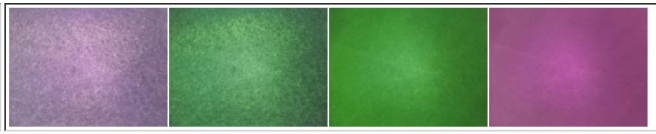
false	
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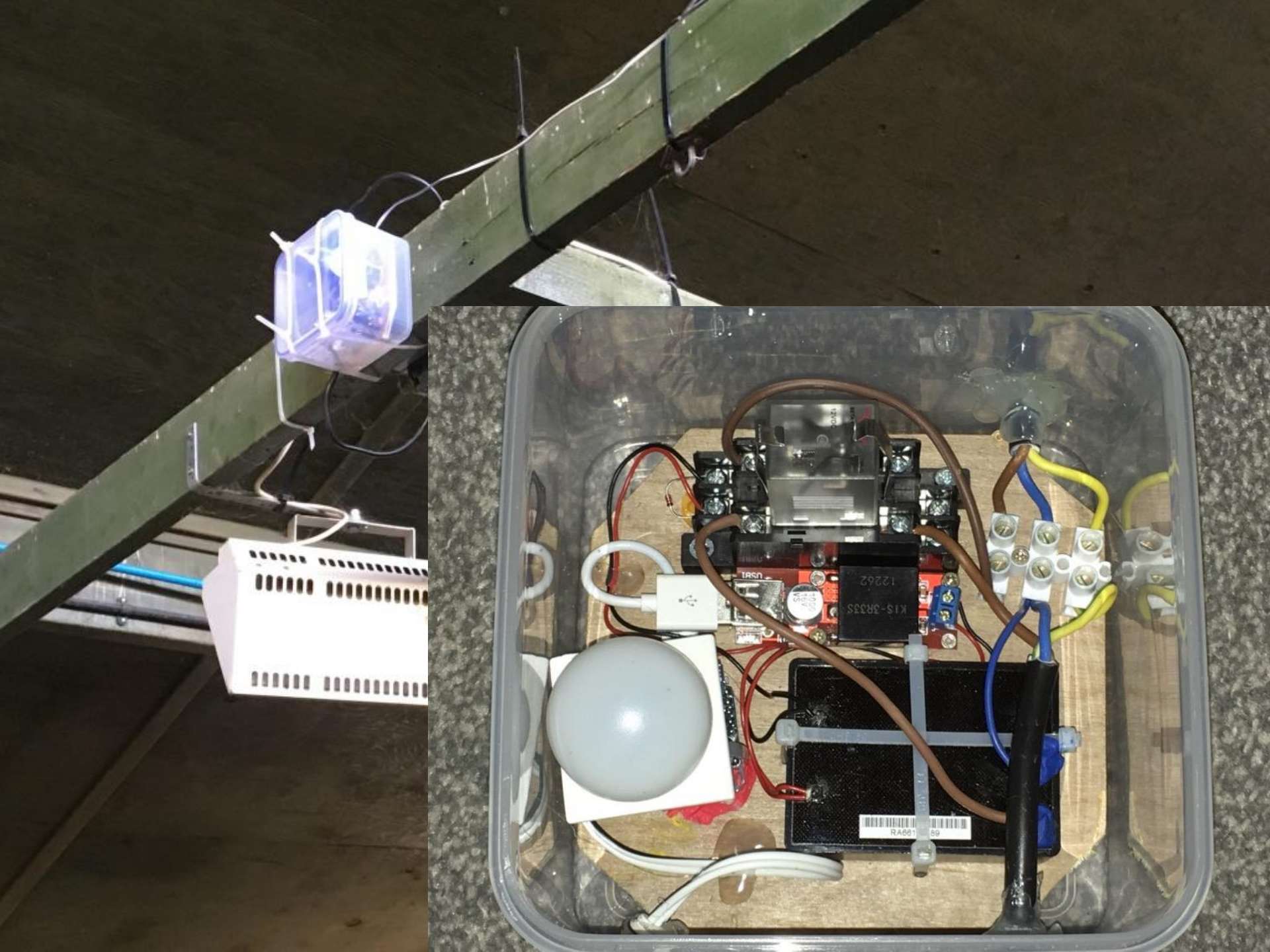
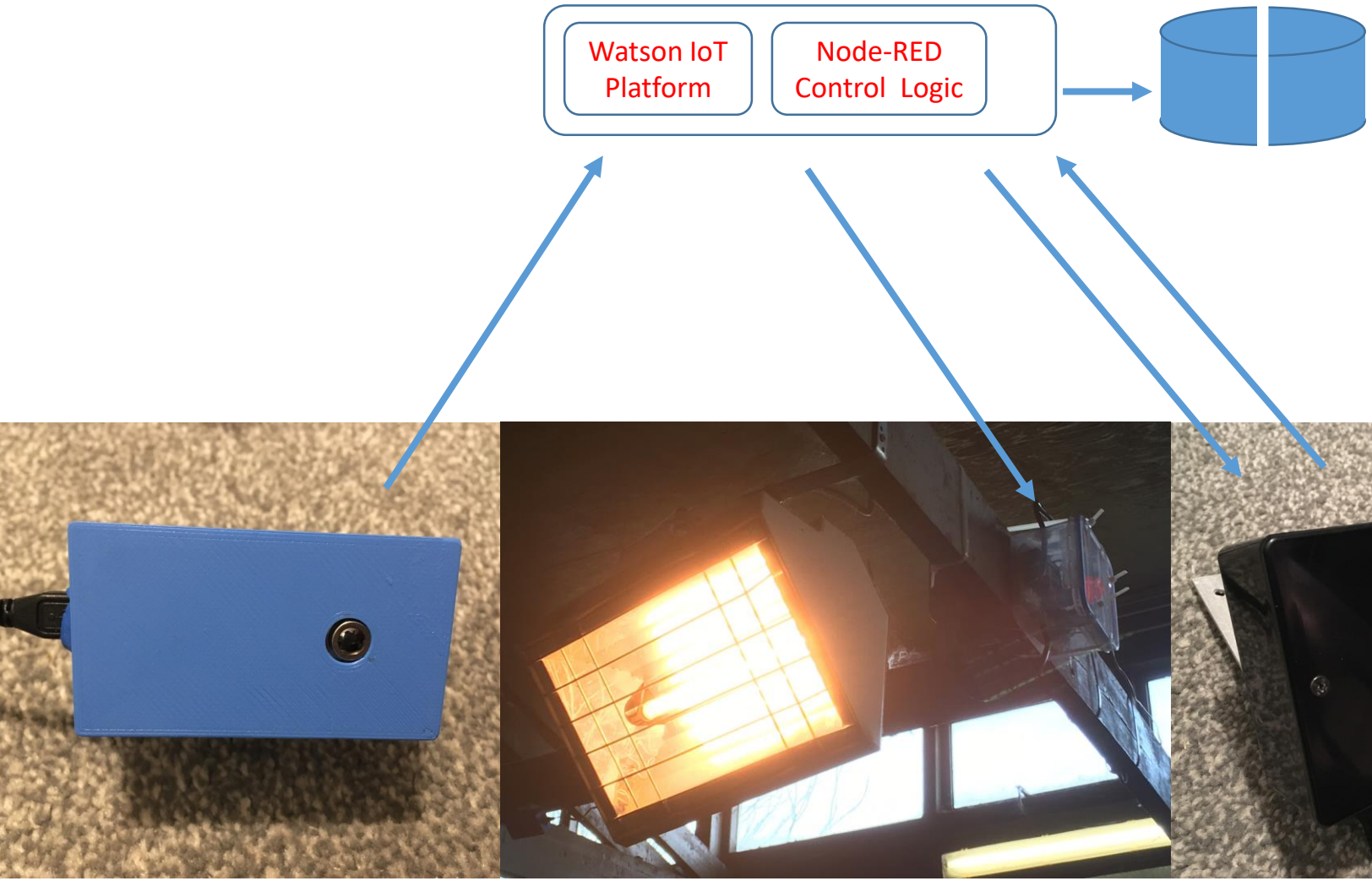
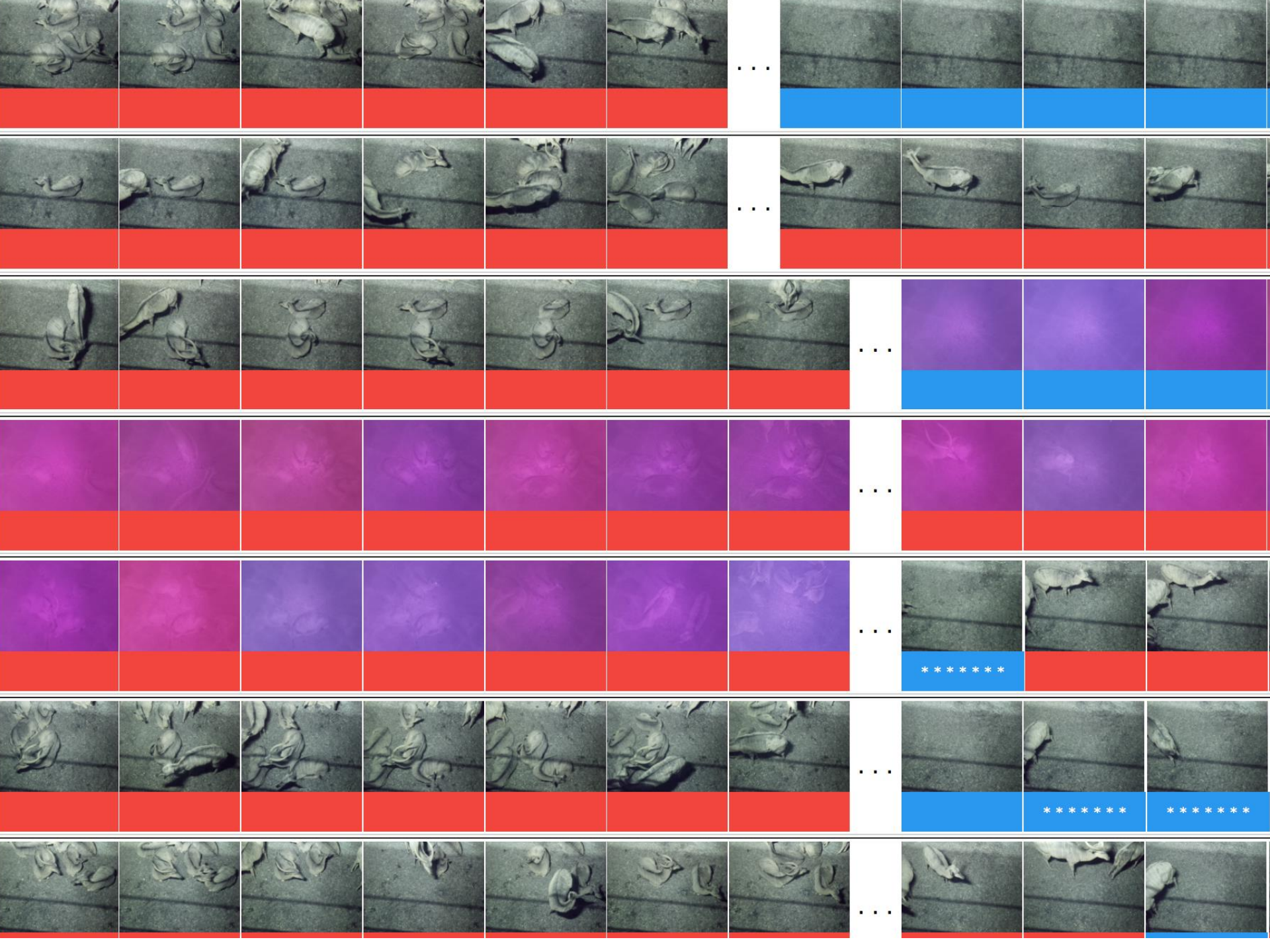
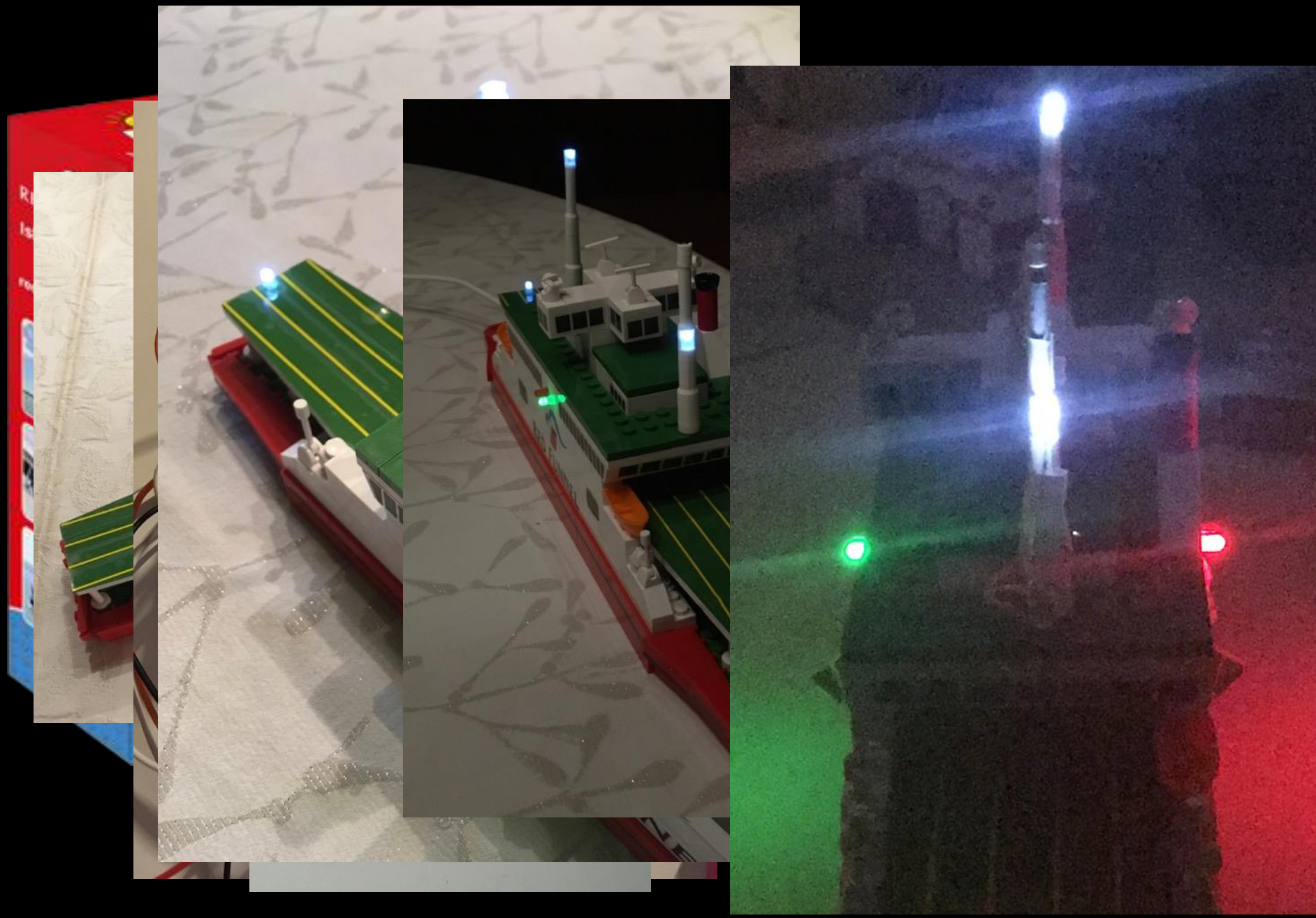


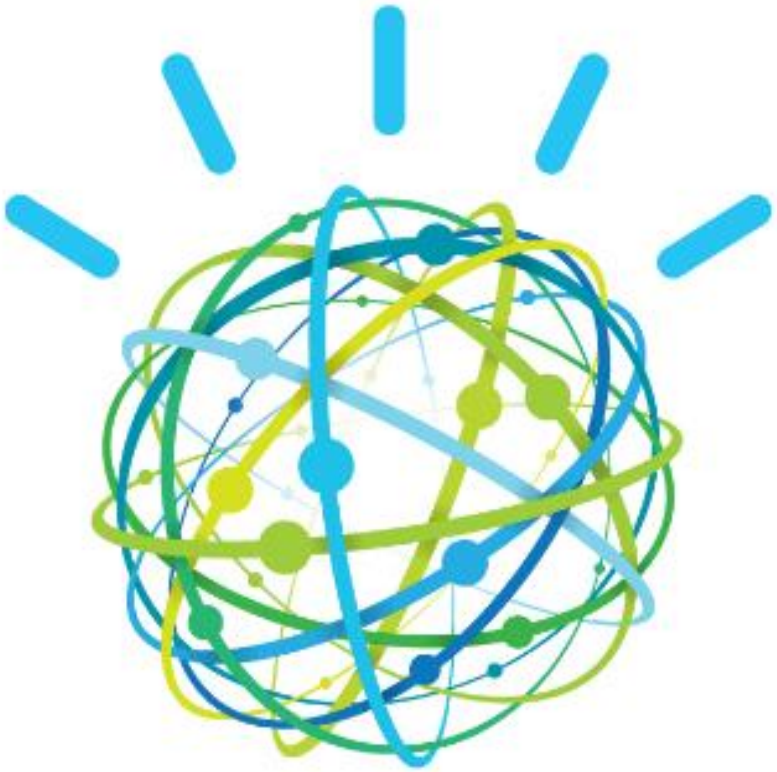

Watson IoT Platform
Node-RED Control Logic



(Physical) Digital Twins

IBM Watson IoT-Munich





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