



Digging holes, OR driving robots

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Hello

The electric light did come about from the continuous improvement of the candle

Oren Harari



Hypothesis



The Project

This project aims to tackle the Grand Challenge of Zero disruption from streetworks in UK cities by 2050 by developing robots that will identify, diagnose and repair street-works through minimally invasive techniques, starting with three case studies:



PERCH & REPAIR



PERCEIVE & PATCH



FIRE & FORGET



Hypothesis

Is it possible?

Standing = yes

Sitting = don't know

Let's play

**To stimulate creativity, one
must develop the child-like
inclination for play**

Albert Einstein



The world we play in

Most code?

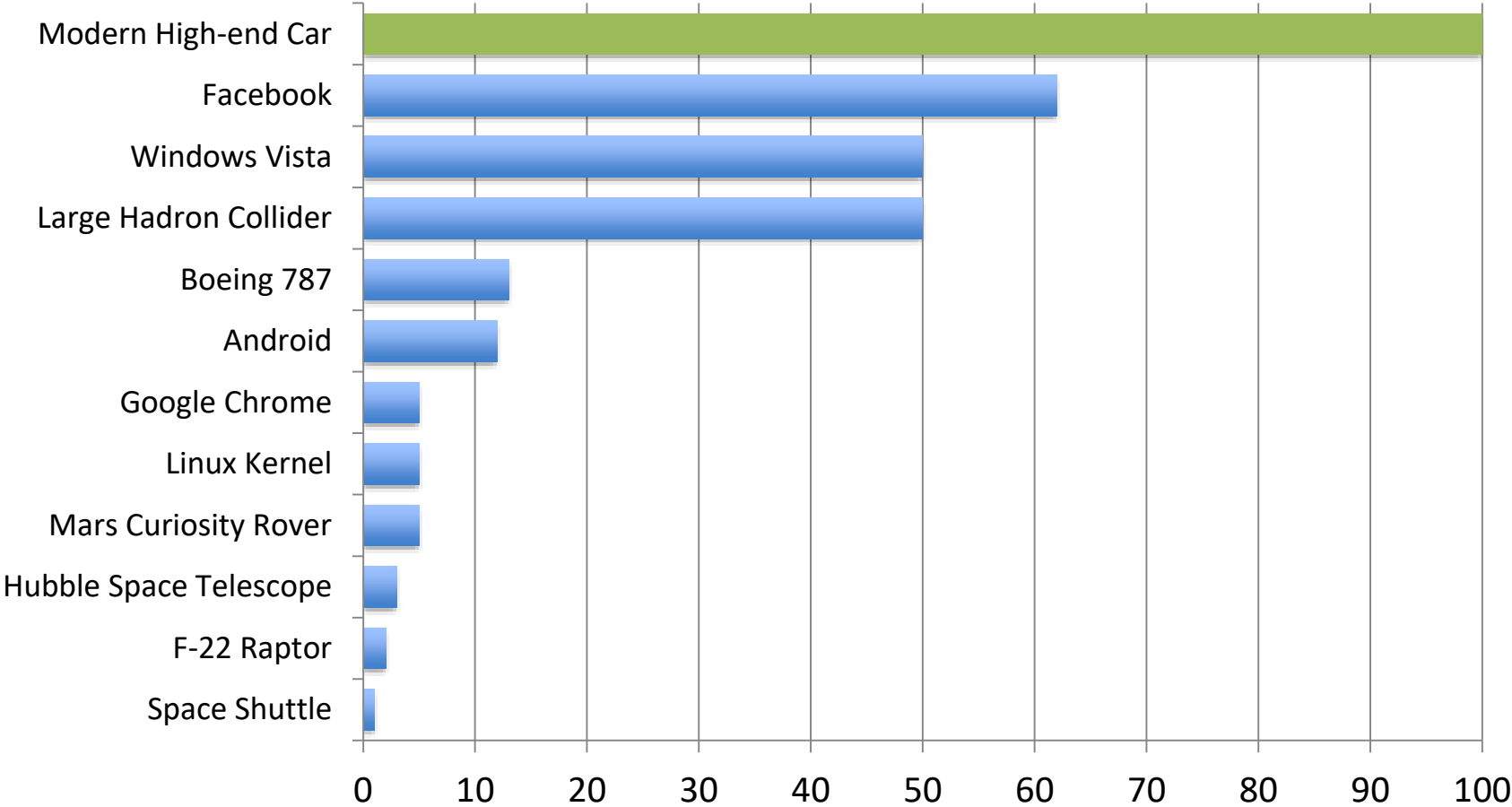
Standing = **Space Shuttle**

Sitting = **Facebook**

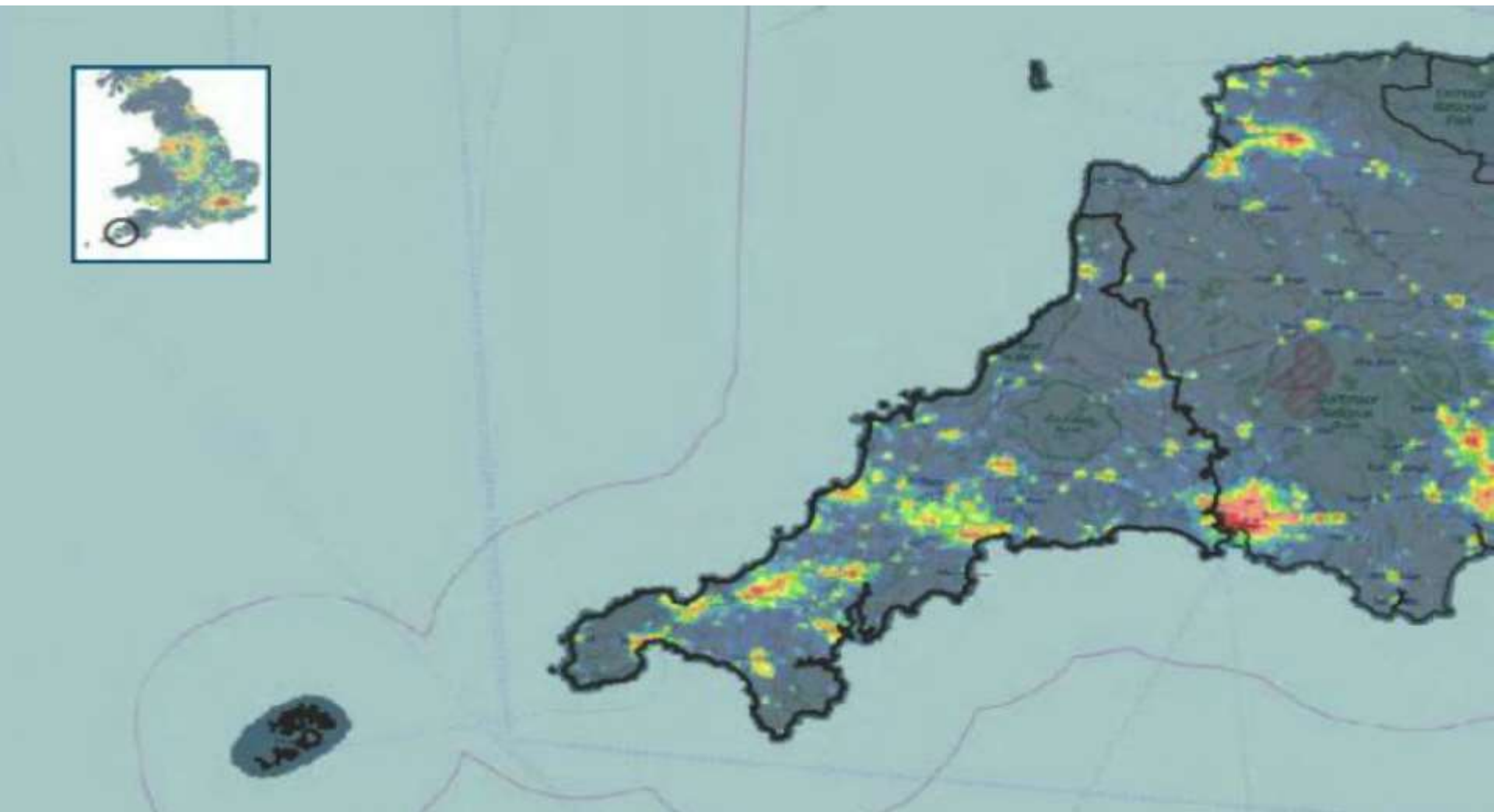
The world we play in

Software Size

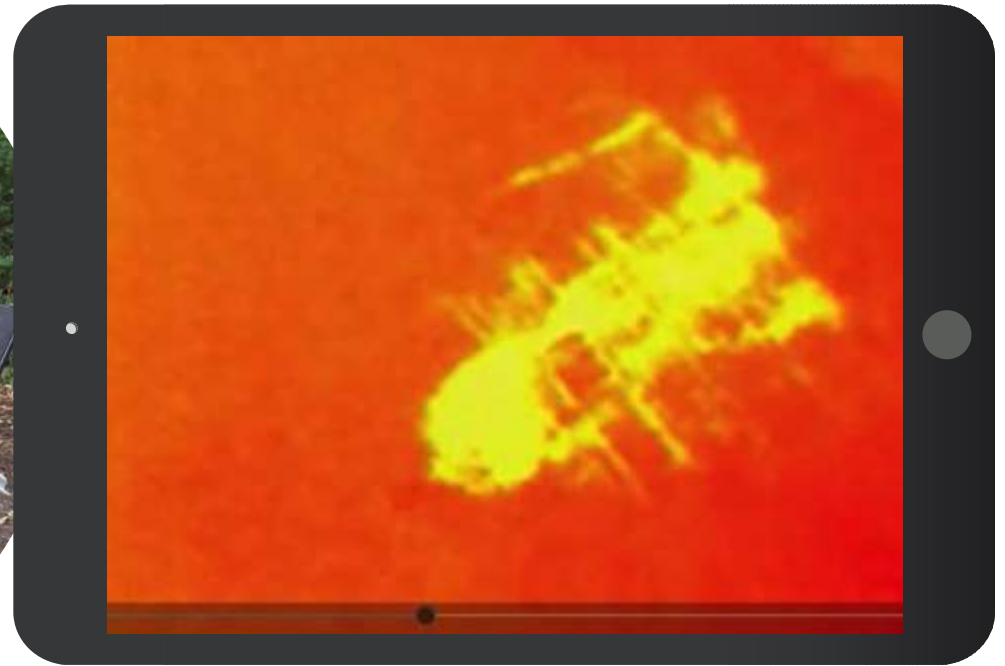
(million lines of code)



Toys for today



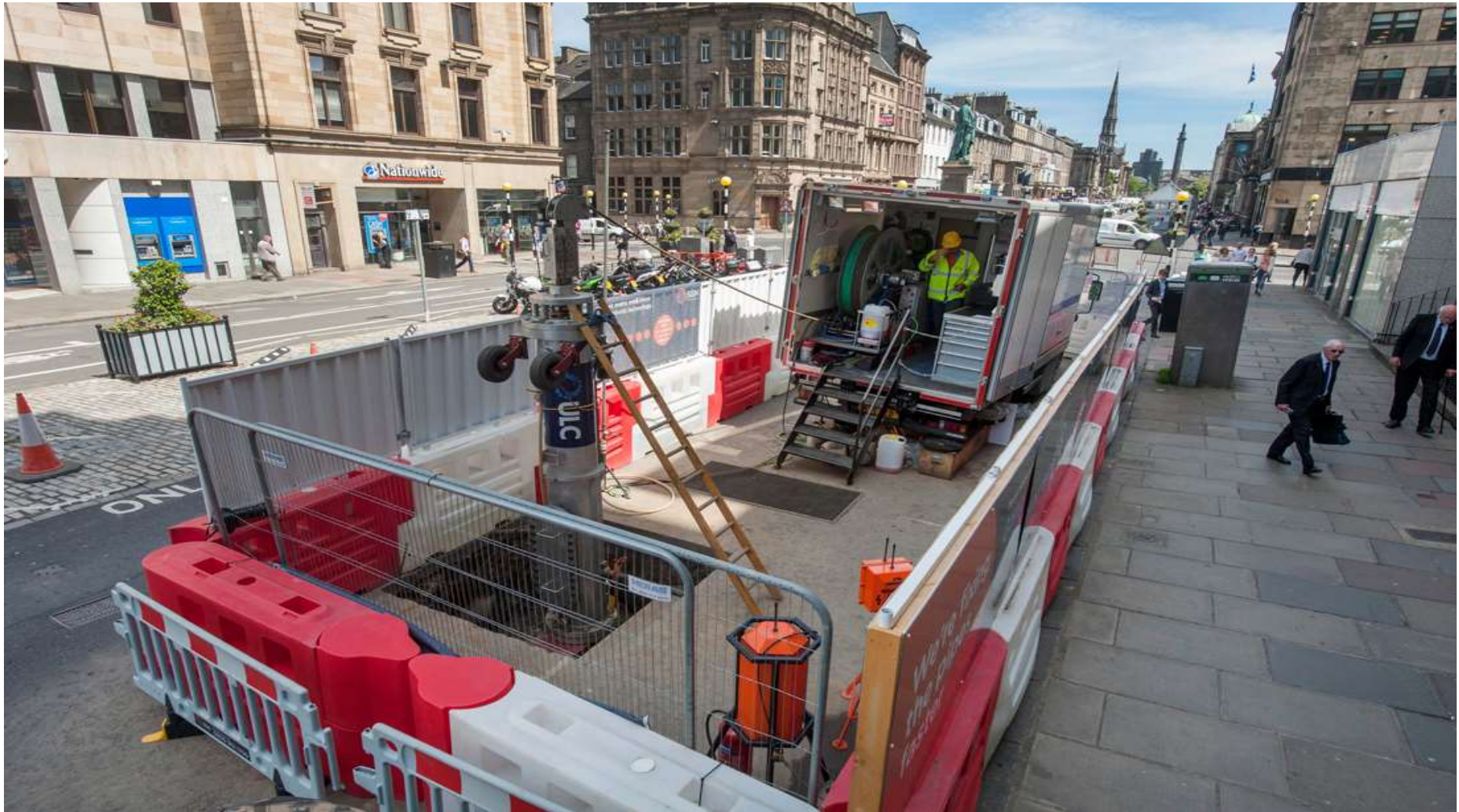
Toys for today



Toys for today



Toys for today



Toys for today



Creating v0.3

ROBOTS FOR RESILIENT INFRASTRUCTURE

An international robotics challenge event
27th and 28th June 2017
University of Leeds



www.selfrepairingcities.com

