

HACKERS

54-84-L

728

47-192

54-84-L

214-24-CL

A/m

-2A

It was 1995

And the Internet was lame







S **O** **C** **A** **L**™
Socal Wear





IBM: 1986



Toshiba: 1989



Compaq: 1989



GRID: 1982

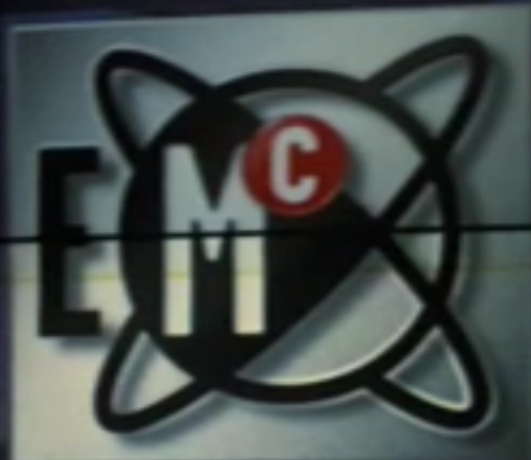
Outbound: 1989



Along came a
movie



Did "Hackers"
predict the future?



ACCESS TO THIS COMPUTER
AND ITS DATA IS RESTRICTED TO
AUTHORIZED PERSONNEL

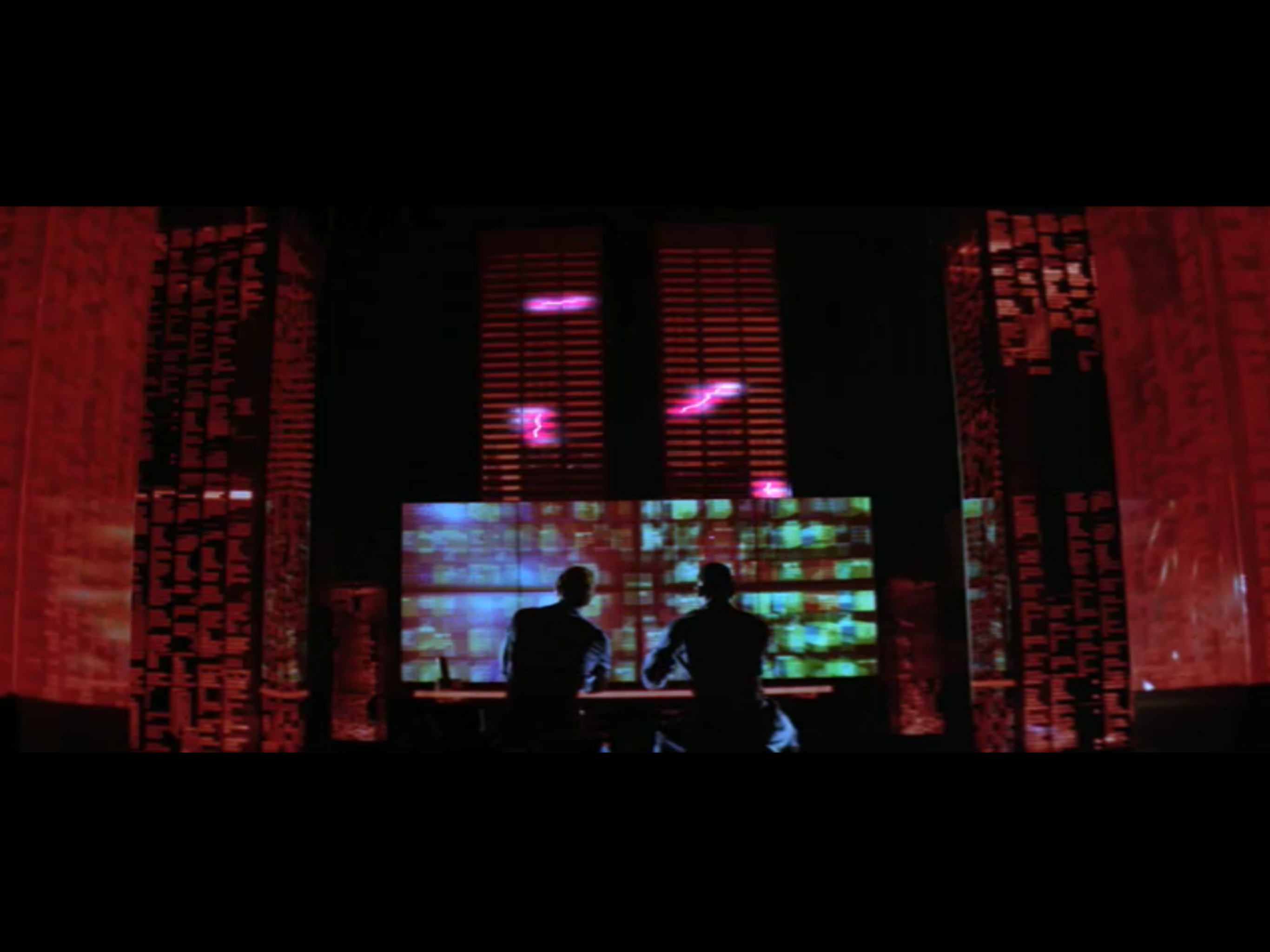
PASSWORD ACCEPTED

G O D

948







What else?



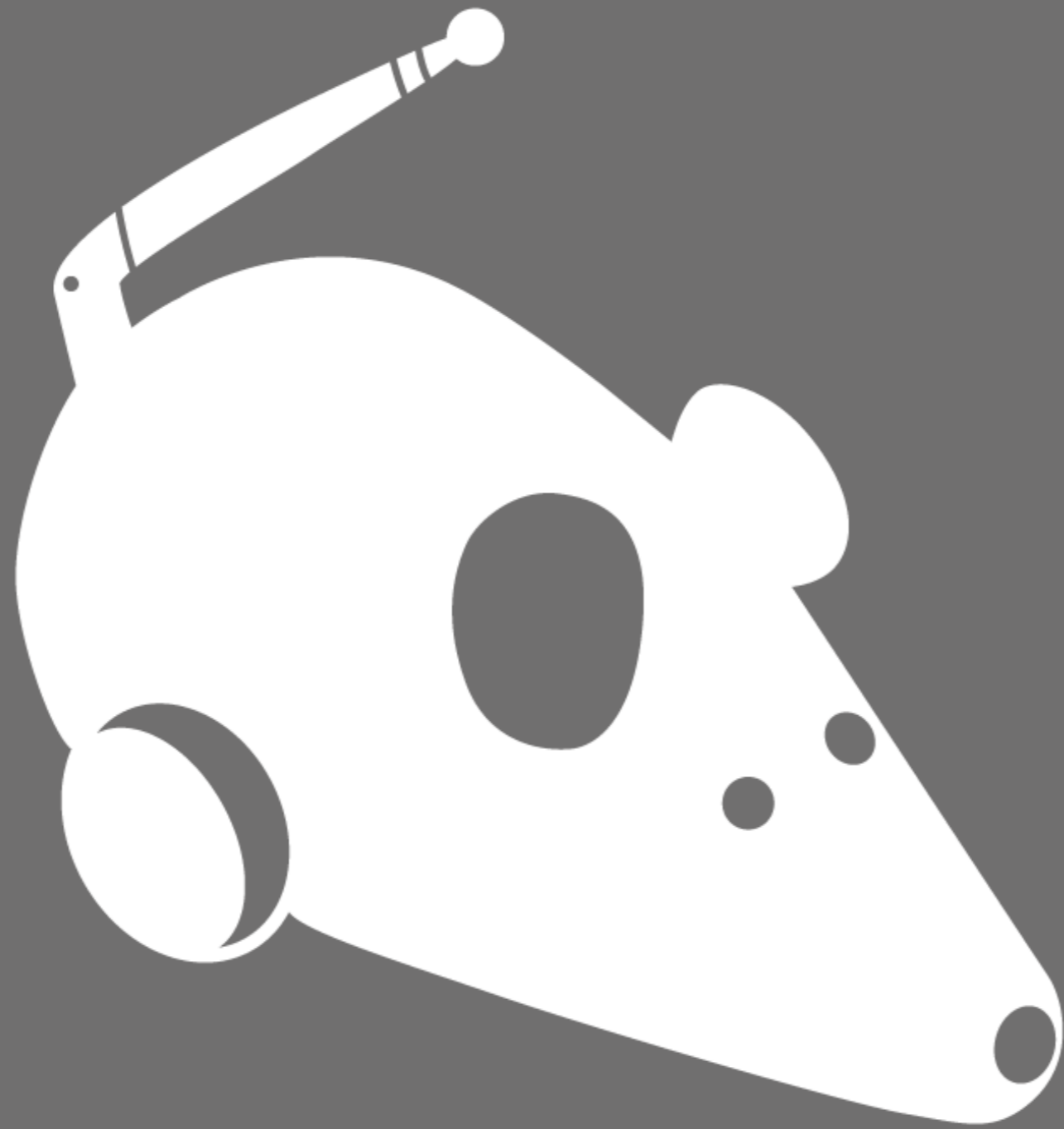




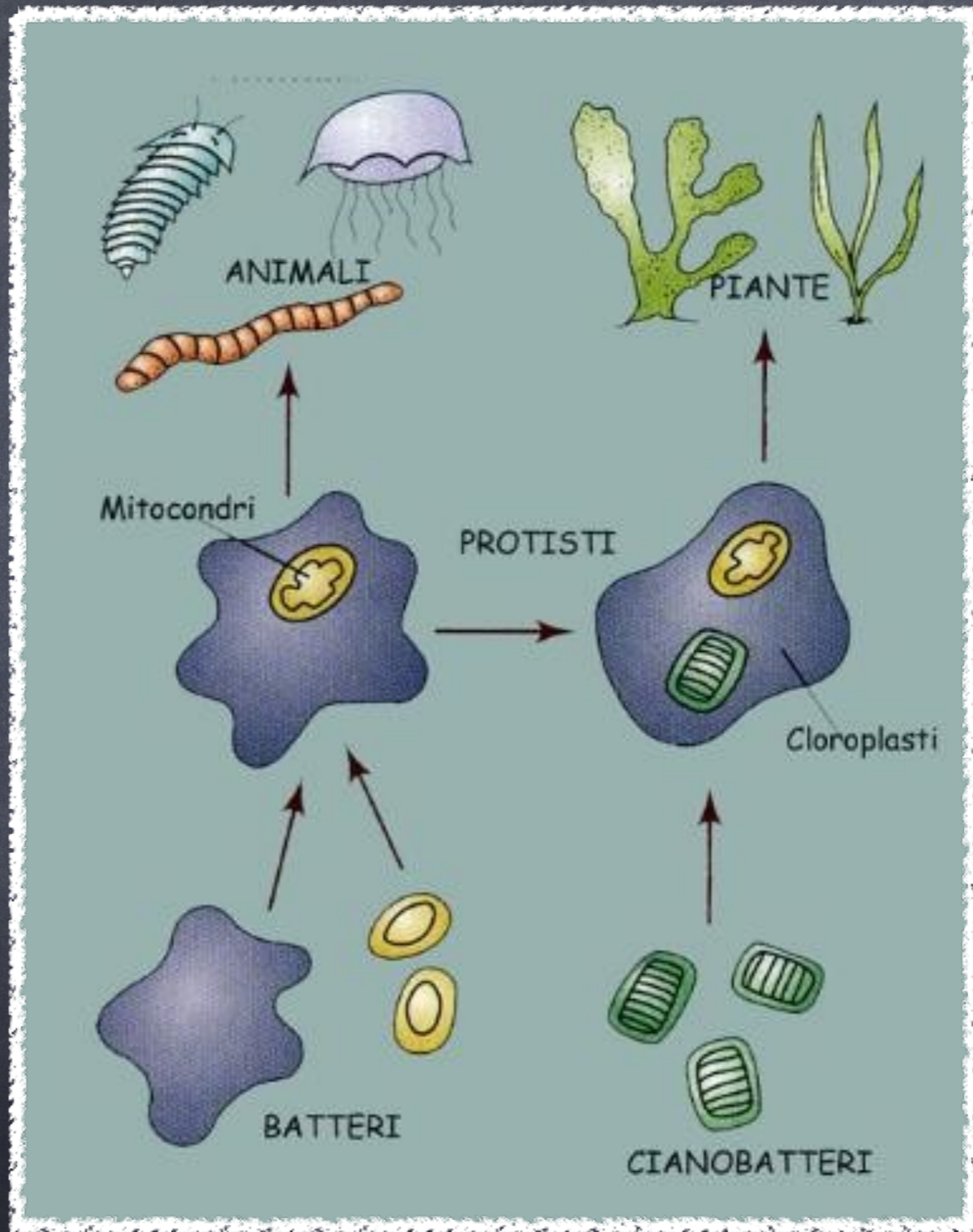
zoombak™







Capitol Hill Consultants









Everything will be
cellular enabled



Foaling Monitoring System

- Foalert
- Contact
- Components
- FAQ
- Testimonials



1



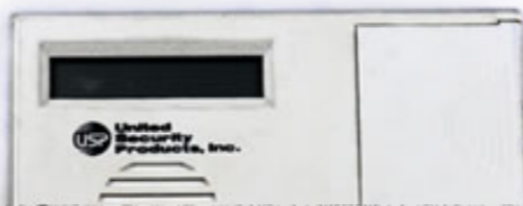
2

4



Here's how it works:

The transmitter (1) is sutured just outside the vulva and activates the receiver (2) via a silent radio signal. The receiver, in turn,









'Hackers' was on to

m2m?



Reality?

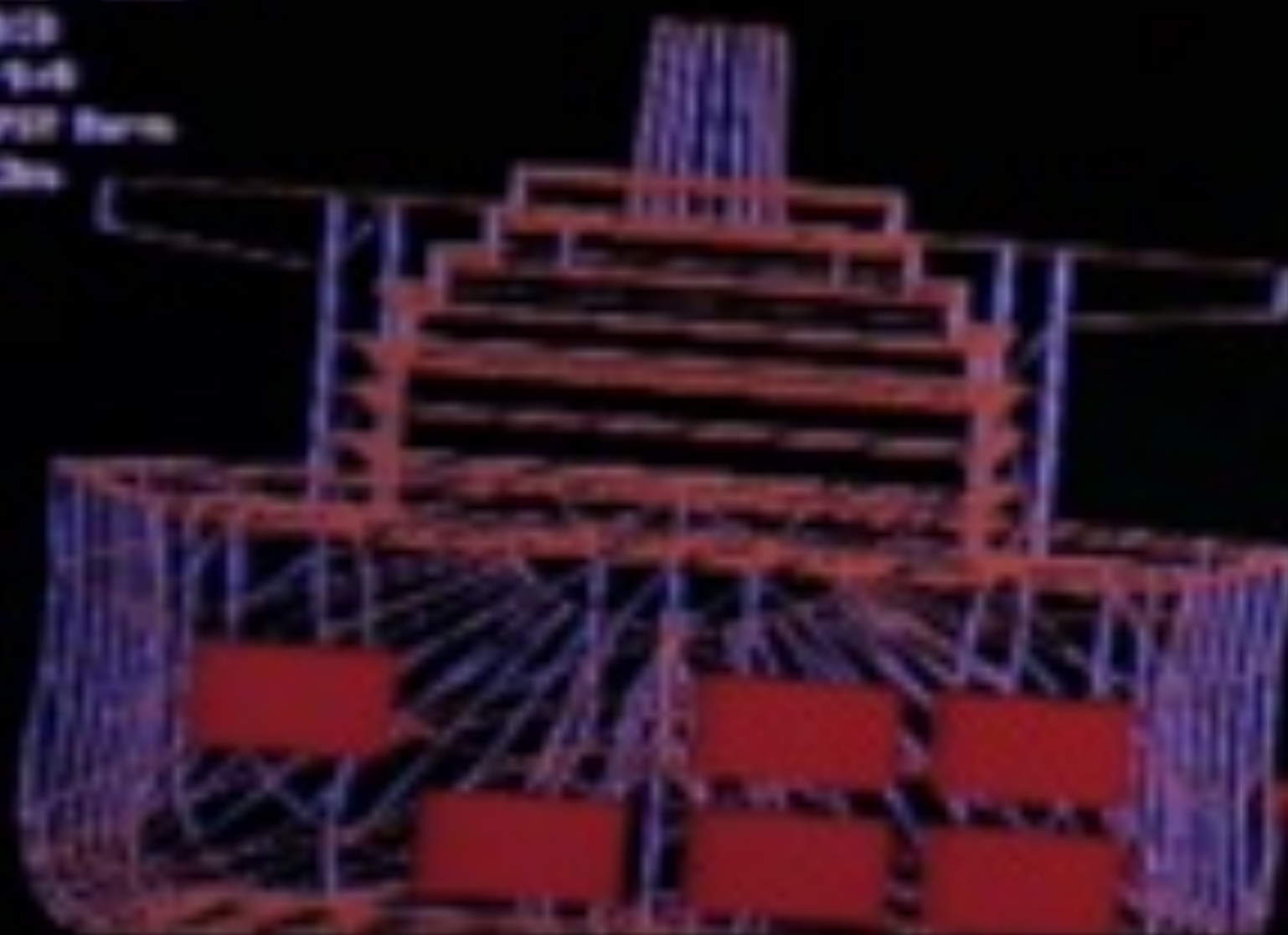




Reality?



Modeling: 4000 STEP
Element: 100
Nodes: 1000
ETA: 700 hours
Method: C30



WARNING

Reality?

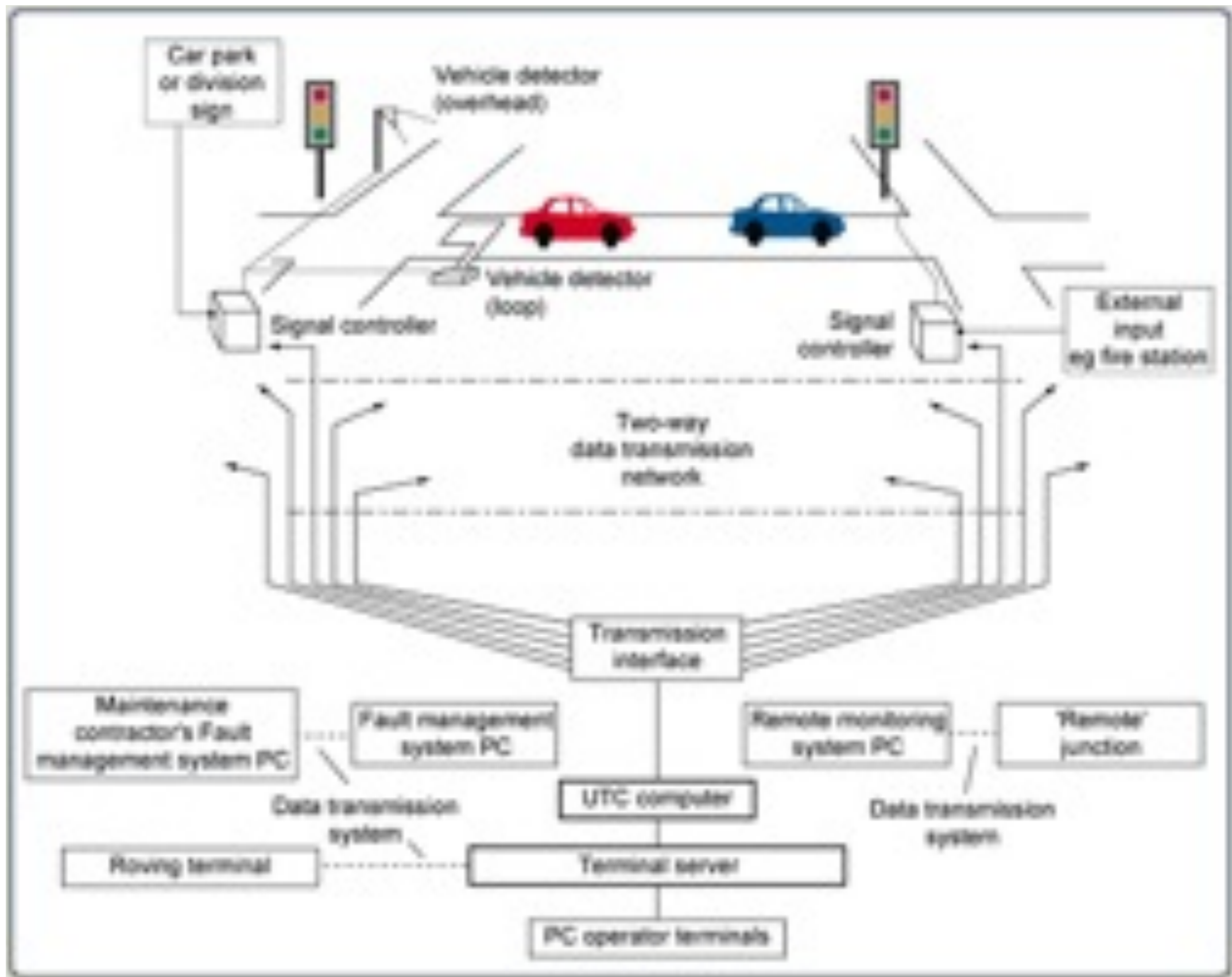


Reality?





Reality?



What does that tell
us?



Real hackers hack

And are extremely patient



Reality?



YOUR PAYBACK/ROI

- 15% cost savings in new construction
- 70% cost savings in retrofits
- 40% energy savings
- Unlimited Flexibility

LIGHTING APPLICATION



SINCE APPLICATION

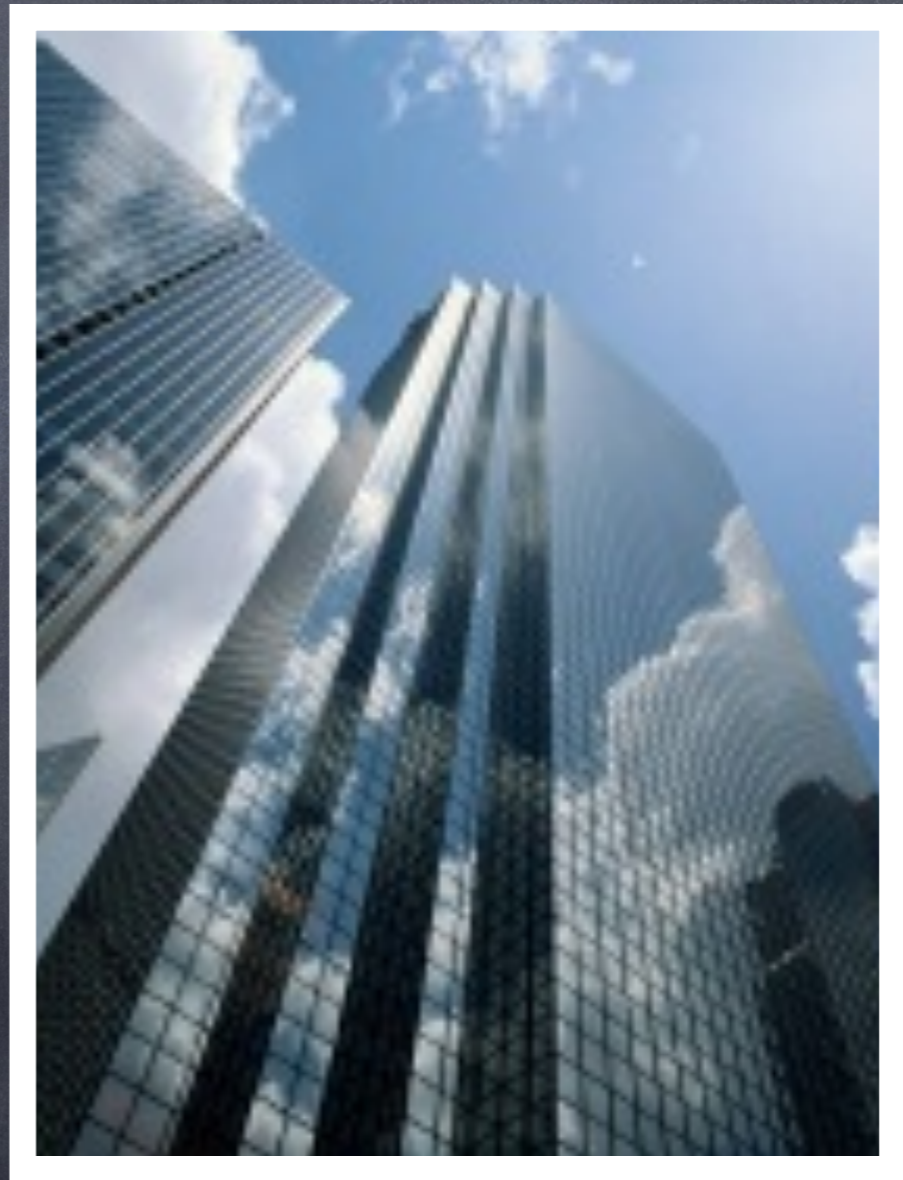
EMOcean

- ASK modulation
- 125kb/s baud
- 315 MHz
- 868.3 MHz
- ~30 meters thru walls



A dura + ENOcean

- Whole building solution
- M2m for Eco-friendly lighting
- Enables remote multi-building control



With this special teach-in telegram it is possible to identify the manufacturer of a device and the function and type of a device. There is a list available from the EnOcean Alliance describing the functionalities of the respective products.

ORG = 0x07 (Telegram type "480")

DATA_BYTE0..3 see below

LRN Type = 1

LRN = 0

DI0..DI2: current status of digital inputs

Profile, Type, Manufacturer-ID defined by manufacturer

REQ..2: set to 0

ID_BYTE3 = module identifier (Byte3)

ID_BYTE2 = module identifier (Byte2)

ID_BYTE1 = module identifier (Byte1)

ID_BYTE0 = module identifier (Byte0)

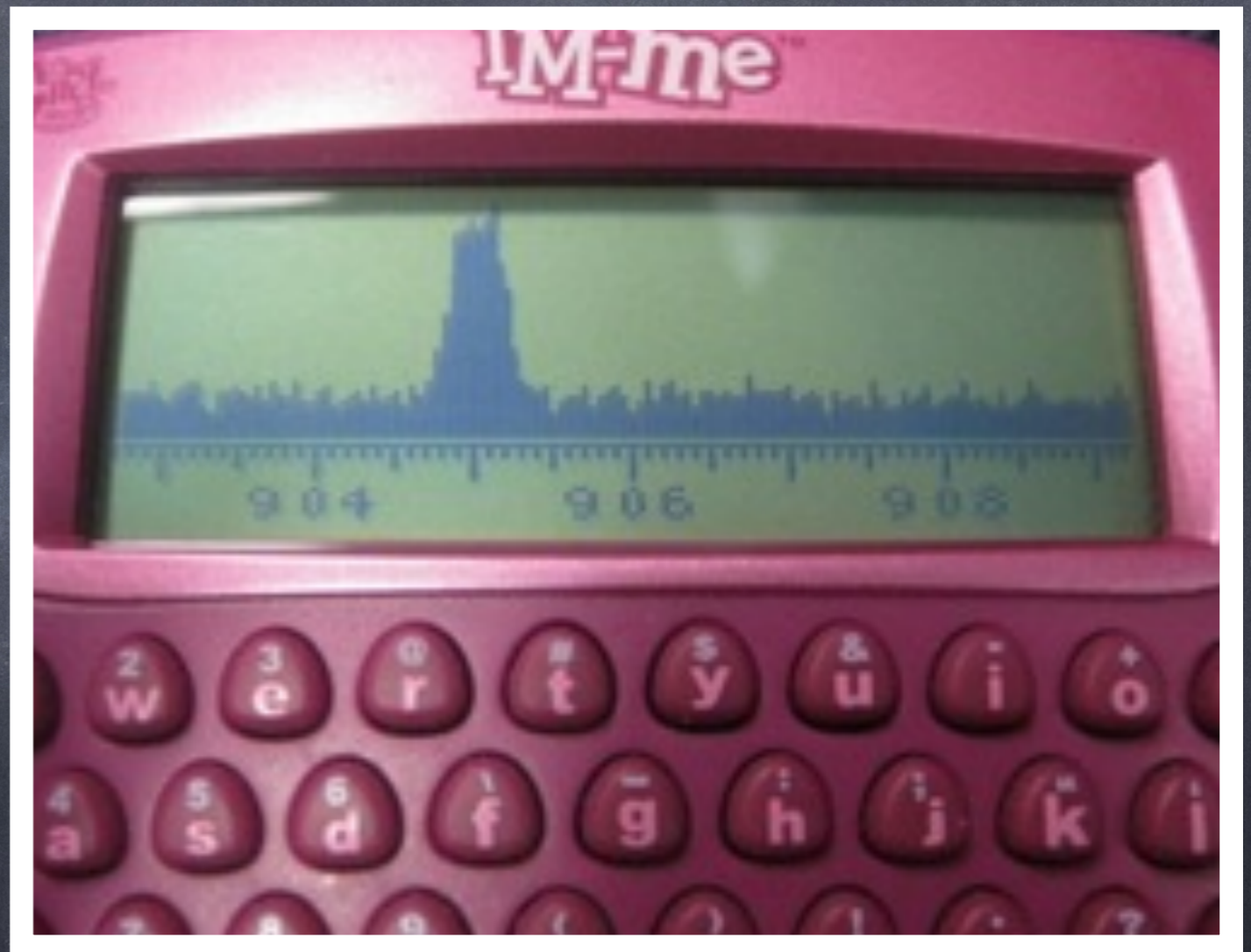


Hacking is cheap!

Thanks, Atlas!

RFcat

- 15 - 50 USD
- sub 1GHz comm
- Tons of modulation
- Preamble NOT required













Thank you



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