Hacktivismo



Portable Privacy

Portable Privacy




cDc
Photo thanks to RubberQueen




2006: Darfur, Sudan


1989: Beijing, China

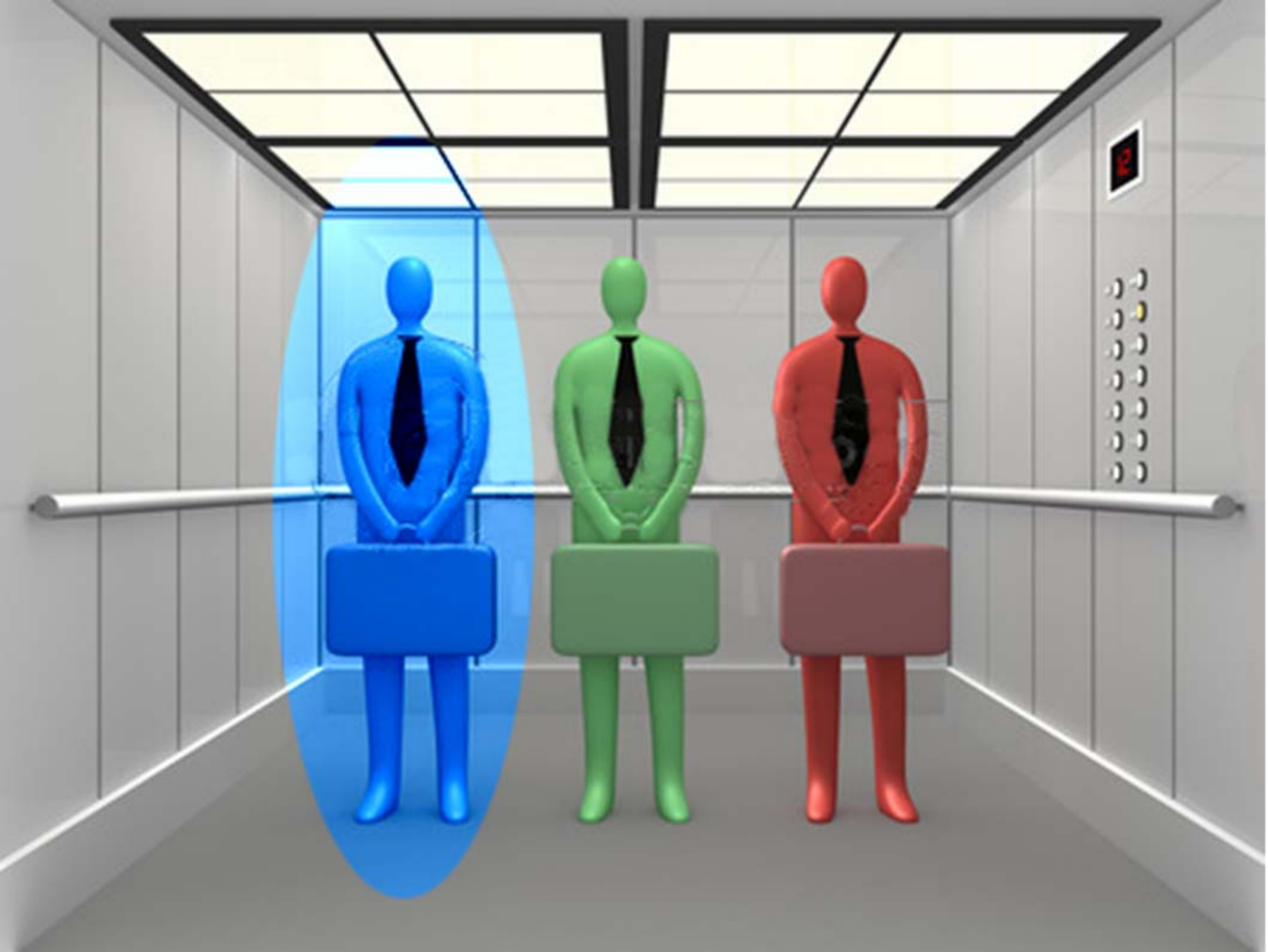
2005: United States of America



Portable Privacy


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Alias: LadyAda

Name: Limor Fried

Crime: Felony Assault w/ Banana

Location: New York, NY

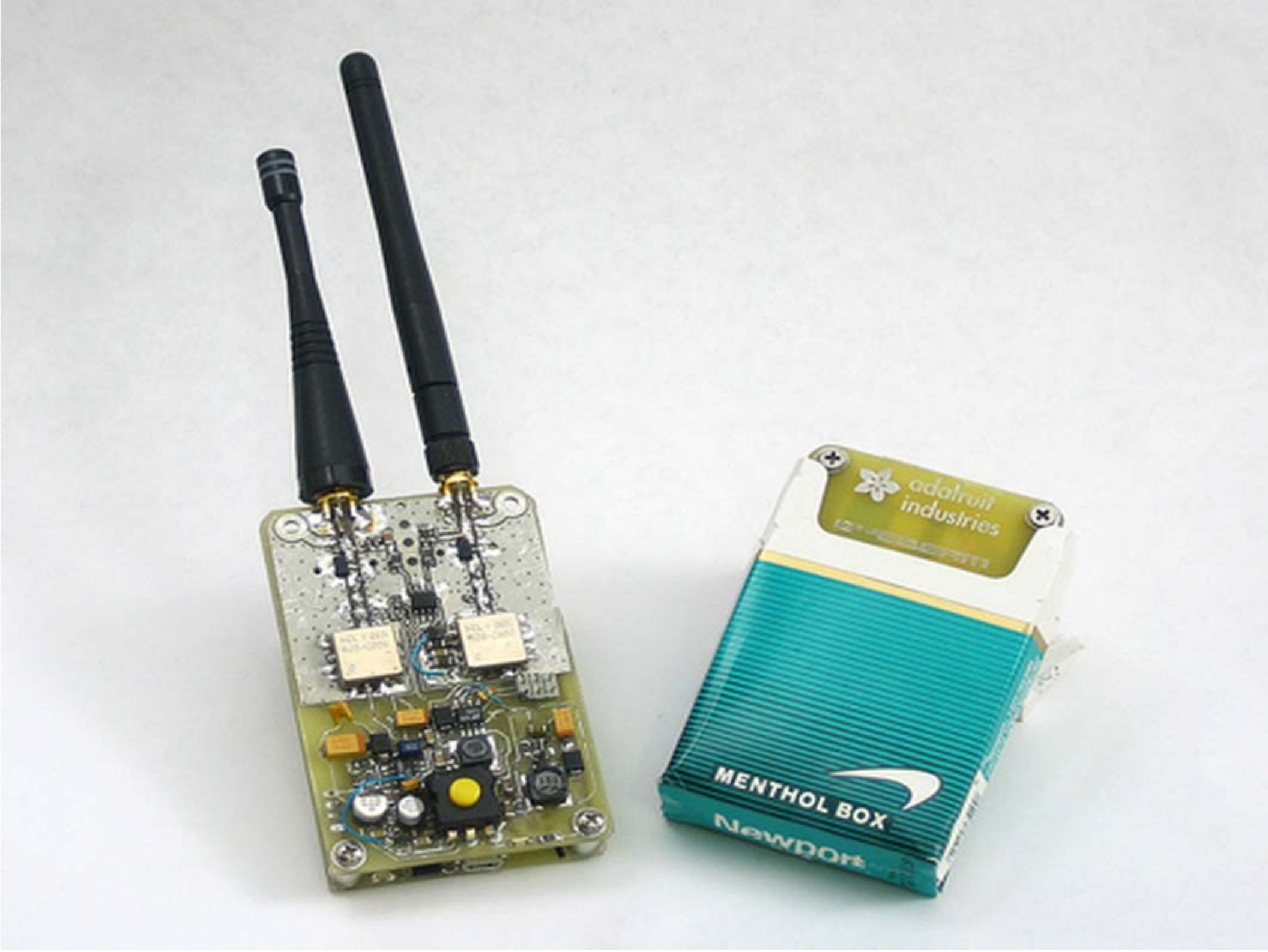
Hangouts: Adafruit Industries

Notes: Gang member of cow worshipping death cult

Last Seen: In the Company of Kevin Rose






adafruit
industries
MENTHOL BOX
Newport

Portable Privacy

3 Golden Principles

- Portability
- Elegance
- Trustworthiness

Portable Privacy

Portability

- Run Locally
- Run Remotely

Portable Privacy

Trustworthiness

- Bypassed by Trust
- Source Code
- License
- Fail Securely
- Imputed Protection

Portable Privacy

Elegance (HCI and Beyond)

Who Cares?
Everyone





Portable Privacy

Elegance (HCI and Beyond)

- Appealing
- Intuitive
- Easy to Use
- Self – Contained
- Informative Status
- Transparency

Portable Privacy

Digital Risk Vectors

- Communications
- Data Storage
- Transactions
- Computing Environment

Portable Privacy

Communications

- General
- Web Browsing
- Email
- Chat / Messaging
- VoIP

Portable Privacy

General

- Janus VM
- xB VPN

Portable Privacy

Web Browsing

- Anonymizer
- xB Browser
  - Tor Network
  - XeroBank Network
- OperaTor
- Honorable Mentions
- Dishonorable Mentions

Portable Privacy

Email Clients

- Thunderbird Portable
- MobilityEmail
- xB Mail

Portable Privacy

Messaging

- IRC
- Scatterchat
- Psi
- Miranda + OTR
- Pidgin + OTR

Portable Privacy

VoIP

- Portable Skype
- myJabber
- Vonage USB

Portable Privacy

Data Storage

Portable Privacy

Transactions

- Risky Digital Currencies
- Anonymous Currencies
  - Loom
  - eCache

Portable Privacy

Computing Environments

- RockAte LiveCD
- Incognito LiveCD
- xB Machine

Portable Privacy

xB Machine

- Runs on VMWare & QEMU
- Private Network Info Only
- Firewalled to Interface
- Hardening
- Clients: Tor, Jap, xB SSH, xB VPN, xB Onion

Portable Privacy

xB Machine

- Usability Features
  - Firefox
  - Thunderbird
  - GPG / Enigmail
  - Jabber
  - Word Processor
  - Image Viewer
  - File Manager
  - Autoconfig of Anonymity Clients
  - Remote Encrypted Filesystem Mounts

Portable Privacy

xB Machine

- Usability Features
  - Local User Filesystem with Look-AES
  - Userdir with dmcrypt/pam_mount
  - Console
  - Easy Updates w/o destroying userdir
  - Integrity Check from host system
  - Windowmanager: Enlightenment

Portable Privacy

xB Machine

- Risks
  - Programs spying on network setup
  - Programs sending rogue packets
- Future Features
  - LiveCD to boot QEMU to xB Machine

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