

IoT – All Around Us: In Cities, Communities and Companies

June 2019

From Ubik, by Philip K. Dick. Published in 1969



- “ The door refused to open.
It said, "Five cents, please."
- “ He searched his pockets. No more coins; nothing.
"I'll pay you tomorrow," he told the door.
- “ Again it remained locked tight.
"What I pay you," he informed it, "is in the nature of a gratuity; I don't have to pay you."
- “ "I think otherwise," the door said.
"Look in the purchase contract you signed when you bought this conapt."
...he found the contract.
- “ Sure enough; payment to his door for opening and shutting constituted a mandatory fee. Not a tip.
"You discover I'm right," the door said. It sounded smug.

Ownership and business models



Ownership is dead



Long live subscriptions and service agreements!



The product itself becomes nearly useless or worthless without the service



Vendor lockin



Who owns the data?



Do you as a customer control the data?



What about personal data and GDPR?

T&C's

Philip Hue – light bulb



- If you do not wish to create a Hue Account you will NOT be able to access all the features the Product can provide you with. Controlling your product within your home will be possible. In that event you will download only the App and you will need to accept the Terms.
- If you acquired the Product without the opportunity to review these Terms of use and do not accept these Terms, you may receive a full refund of the amount that you paid for the Product, if any, if you return the Product unused with proof of payment within 30 days from the date of purchase.

Amazons Alexa



- Termination. Your rights under this Agreement will automatically terminate without notice if you fail to comply with any of its terms. In case of such termination, Amazon may immediately revoke your access to Alexa without refund of any fees. Amazon's failure to insist upon or enforce your strict compliance with this Agreement will not constitute a waiver of any of its rights.

What did you really buy?

Cybersecurity



***The S in "IoT"
stands for
Security!***

Demand for documented security measures, tests etc.

- White-hat hacking etc.
- Compliance with security standards

What about the customers own security?

Maintenance, monitoring and updates – firmware updates Warning form producers about security fault and risk

- Product recall?
- Push firmware?

Security warrabtues

Will we accept disclaimers and exclusion/limitation of liability?

Can we take out insurance instead?

Legetøjsdukker kan overvåge dit barn

Dukkerne "My Friend Cayla" og "i-Que" kunne overvåge og sende dit barn skjult reklame. De er fjernet fra handlen, og du kan levere dukken tilbage.

Af Lars Dalsgaard
12. OKTOBER 2017

<https://taenk.dk/test-og-forbrugerliv/boern/legetoejsdukker-kan-overvaage-dit-barn>

How a fish tank helped hack a casino

By Alex Schiffer July 21

https://www.washingtonpost.com/news/innovations/wp/2017/07/21/how-a-fish-tank-helped-hack-a-casino/?utm_term=.1e534474069c

Høreboffer anklages for spionage

Kendt mærke beskyldes i en amerikansk retssag for at spionere mod sine kunder.

ONSDAG D. 19. APRIL 2017 KL. 22:20



<https://www.b.dk/kultur/hoereboffer-anklages-for-spionage>

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Suspect OKs Amazon to hand over Echo recordings in murder case

By Elliott C. McLaughlin, CNN

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Cops use murdered woman's Fitbit to charge her husband

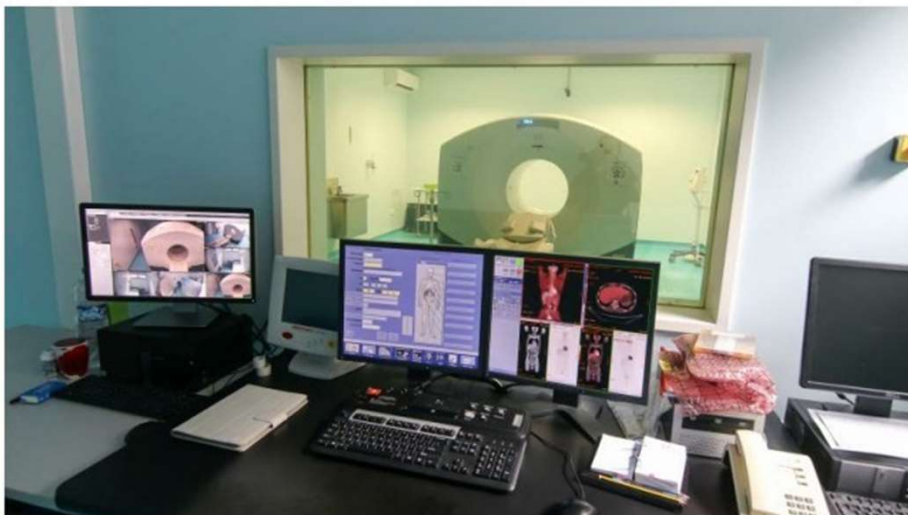
<https://edition.cnn.com/2017/04/25/us/fitbit-womans-death-investigation-trnd/index.html>

Public Safety

Commit a crime? Your Fitbit, key fob or pacemaker could snitch on you.

https://www.washingtonpost.com/local/public-safety/commit-a-crime-your-fitbit-key-fob-or-pacemaker-could-snitch-on-you/2017/10/09/f35a4f30-8f50-11e7-8df5-c2e5cf46c1e2_story.html?noredirect=on&utm_term=.177469f19cb0

Hackergruppe udnytter malware-skabt bagdør i røntgen- og MR-scannere



(Illustration: Big Stock)



Symantec har opdaget at en ny hackergruppe, der angriber sundhedsvæsenet med den kendte trojanske hest Kwampirs. Angrebene lykkes blandt andet, fordi meget medicinsk udstyr styres via ældre styresystemer, der ikke længere understøttes med softwareopdateringer.

<https://www.version2.dk/artikel/hackergruppe-udnytter-malware-skabt-bagdoer-roentgen-mr-scannere-1084960>

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