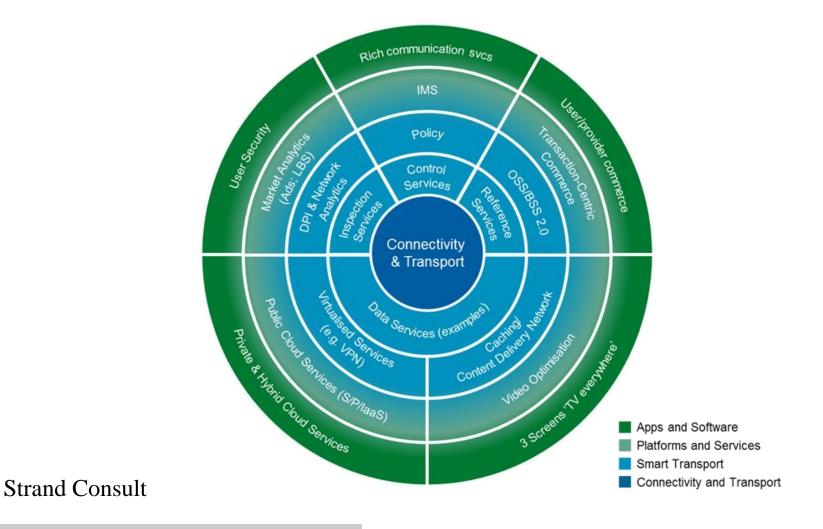
European views on Net Neutrality - Ljubljana, June 24th 2016

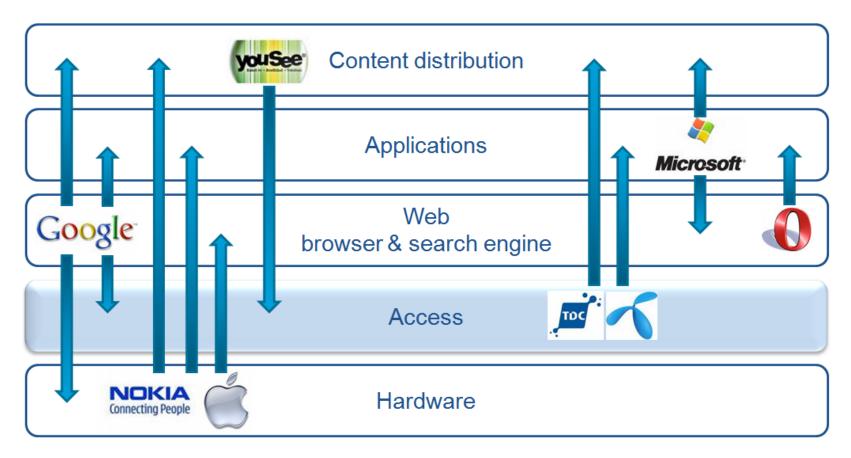


John Strand Strand Consult js@strandconsult.dk

From Bit Pipe to Intelligent Pipe....



A new value chain.....?



SpS vs. IAS (traffic categories)

There are many who talk about SpS as if it is problematic, but they have made a list of the specific services and problems, other than vague categories (telemedicine, IPTV etc). In order to make serious telecommunications regulation, it must be based on transparency, predictability, and evidence. We live in a world where technological development is strong and where creative people and businesses create new and exciting products. I have yet to meet a regulator who can tell me when a service goes from being an ordinary service and to be categorized as a SpS. For example BEREC consider VoLTE as a SpS but what about Voip and what new types of rich communications services that are invented in the future. hope to Akos people with their regulatory experience can make a list of services that can be categorized as SpS and services that cannot be categorized as SpS.... **Strand Consult**

Industry movers in convergence plays...



Today, we are very happy to announce that we have partnered with Deutsche Telekom, Germany's largest telco, to create the country's largest WiFi network! As of this summer, Deutsche Telekom's 12 million subscribers who choose to join Fon will be able to get free WiFi at Fon's more than 7 million hotspots around the world!

Joining the network is easy:

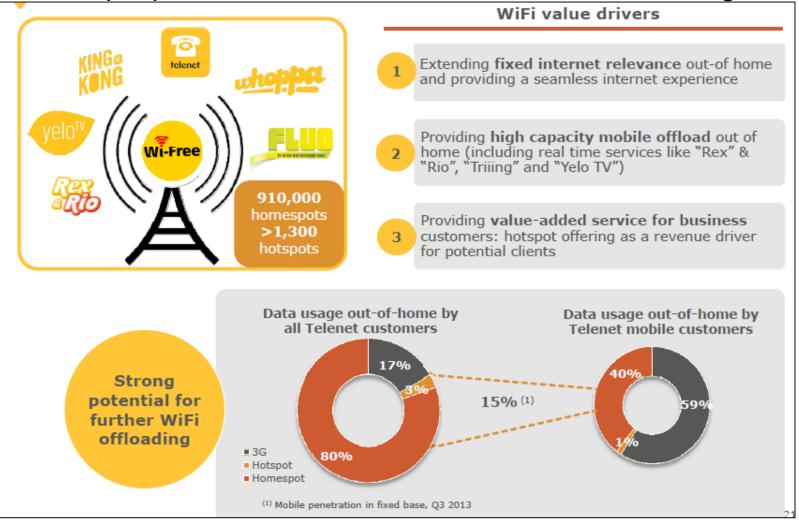
Deutsche Telekom's broadband subscribers just need to sign up to the Fon service and share the unused capacity of their internet connection with other users. By doing this, they get free access to millions of Fon hotspots all around the world. Sharing creates two networks a private Tanken bag YouSees nye forsøg er den samme som vist her på billedet: Når man kommer forbi med sin bærbare PC eller smartpihonetelefon, vil man gratis kunne koble sig på nettet hos de huse, man passerer, som også er YouSee-kunder, uden at gæsterne tager kapacitet fra hjemmets net. Der er dog næppe mange YouSeetelte på Gals Klint Camping i Middelfart. Arkivfoto: Claus Fisker, Scanpix Foto: CLAUS FISKER

Halv mio. kunder skal give gratis trådløst net til andre kunder

Af Thomas Breinstrup 8. marts 2013, 08:00

TDCs kabel-TV-selskab vil gøre adgangen til næsten en halv million husstandes netværk gratis for andre TDC-kunder, der passerer forbi.

WiFree is a key driver for bridging our fixed and mobile value propositions, across residential and B2B segments



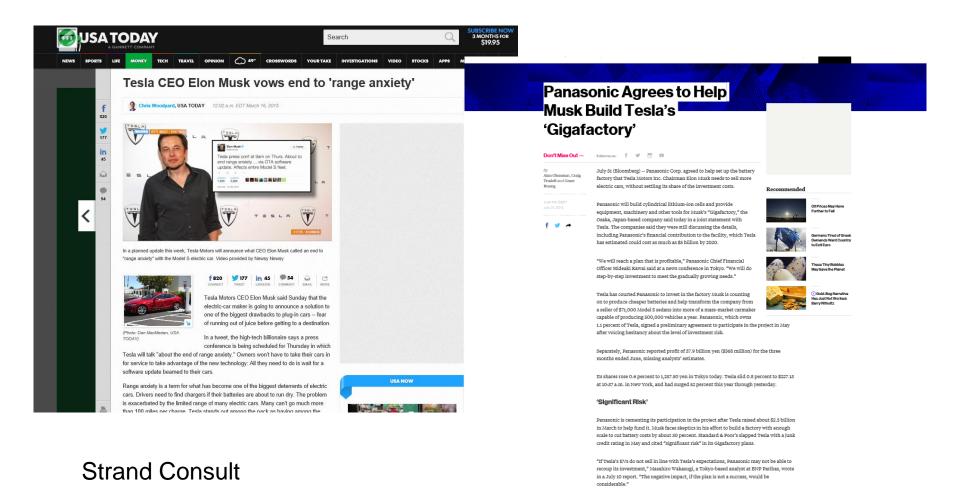
LTE in unlicensed spectrum vs. Wi-Fi...

- LTE Advanced in unlicensed spectrum is a competitor to Wi-Fi and its usecases.
 - Superior ability to handle seamless and automatic hand-off to and from cellular connections
 - Better range than carrier Wi-Fi results in fewer access points for the same coverage or alternatively higher capacity with the same number of access points.
 - With LTE, just one network is constructed, with an anchor in the highly reliable licensed band.
- If we were given the choice to use Wi-Fi or LTE in unlicensed spectrum and we should make an objective technical assessment, LTE would win big over Wi-Fi.
 - Key issues to focus on: costs, overall QoS, throughput, latency, management.
- But for many players, such as Cable TV firms and MVNOs, small cells on LTE network with Wi-Fi interworking (dual air interfaces) can be attractive.
 - Use of ubiquitous Wi-Fi to support a quad play offering for wireline providers

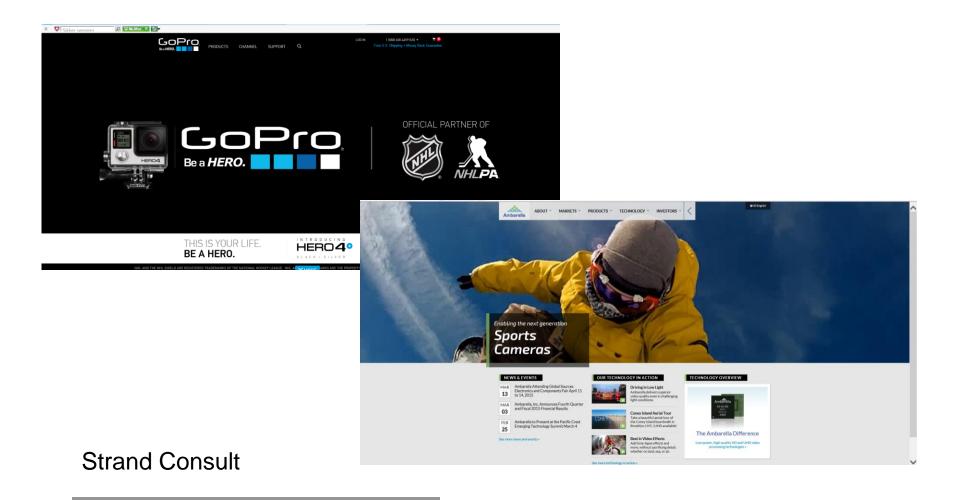
STRAND

– Tier 1 carriers expect 75% of their small cells to include Wi-Fi by 2018 (WBA)

Tesla vs. Panasonic – Battery vs. Car...



GoPro vs. Ambarella – Camera vs. Chip...



Apple vs. Flash light – 2007 vs. 2003....



Case India: Vandalism and Internet activism....

- SavetheInternet.in
- App store vandalism, intimidate Indian companies
- Elite US activists say the poor are better off with no Internet rather than free Internet
- Succeeded to ban Facebook and all price differentation
- Ban imposed without collecting evidence or assessing consumer harm
- Soon after Google launched a Android \$4 smartphone
- Activists don't want poor to see Facebook, but have no problem if they see Google ads
- India now belongs to Google and Android

Micah White: "The Internet is a double-edged sword - The protest look better on Facebook than it did in the streets...."

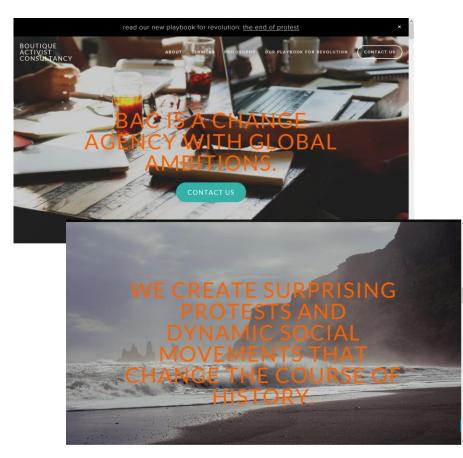
"In the early stages, the Internet is very important for social movements. However, over time, the Internet becomes harmful because things start to look better online than in real life. This happened with Occupy. The protest looked better on Facebook than it did in the streets. This is negative because people start to prefer the online experience to the real world"

Micah White



http://www.apa-fotoservice.at/galerie/786

Micah White and Chiara Ricciardone founders of Boutique Activist Consultancy....



Strand Consult

WHAT WE DO:

Protest Innovation, Activism & Movement Strategy Workshops
Campaign Direction
Movement Storyline
Research & Insights
Invent Novel Protest Methods
Full-Service Social Movement Creation

HOW WE DO IT:

Boutique Activist Consultancy brings passion, intelligence, integrity, and a love of the art of activism to every project we work on.

WHO WE WORK WITH:

Past partners have included political celebrities, traditional campaigns, and emergent people's parties. We work across the political spectrum with anyone who shares our goals and excites our interests. And we love an impossible challenge.

Role of Telecom Regulator.....

- Structural Independence to reduce political or industrial capture
- Functional Competence in that the agency delivers consistent, timely and accountable regulations as well as procedures that ensure transparency of the regulatory process.
- If regulatory outcomes are driven by clicktivism, then regulator loses credibility and independence

It's about 44 things....

Business models Business models....

For more information - Strandreports.com

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T reports	We offer the reports with or without an associated seminar or workshop. The workshop is tailor made to fit your individual strategic and business needs. Workshops can also be purchased independently of a report	
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our guarantee		give specific answers to the question of how
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uper providers		the future potential of the changing Telco market
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		media and other businesses. Our Media reports
		helps clients realise and optimise their share of this new and converging market and its opportunities.
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		reports focus on how to best move technical products
		through various distribution channels, both in the btb and btc market.
	WORKSHOPS	Many of our clients have asked us to help them better manage the knowledge and information
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