



IKT-SIKKERHET...

USYNLIG, UBEGRIPELIG OG UMULIG

Servicekonferansen 2017

Trondheim

26. oktober 2017

Jørgen Dyrhøy
Nasjonal sikkerhetsmyndighet

Asker, mandag 24. april 2017





SNO OG SLUDD: Flere steder i landet kan vente seg snøbyger og sludd i helga. Foto: Gorm Kallestad / NTB scanpix

Været

Meteorologen: Kan komme 20 til 25 centimeter snø i helga

Slik blir helgeværet.



SNO: Meteorologisk institutt har sendt ut OBS-varsel om vanskelige kjøreforhold. Foto: Audun Braastad / NTB scanpix

Har du skiftet til sommerdekk? Politiet oppfordrer deg til å la bilen stå i morgen

OBS-varsel om snø over store deler av Østlandet.
03. APRIL 2017 KL. 16:30 DEL PÅ FACE



Vegtrafikksentr. øst
@VTSost

E16 Sollihøgda i Akershus. Åpent for trafikk etter bilbergning. Forsinkelser må påregnes. Sommerdekk frarådes på det sterkeste.

Follow

Translate from Norwegian
RETWEETS
3

1:37 AM - 24 Apr 2017



3

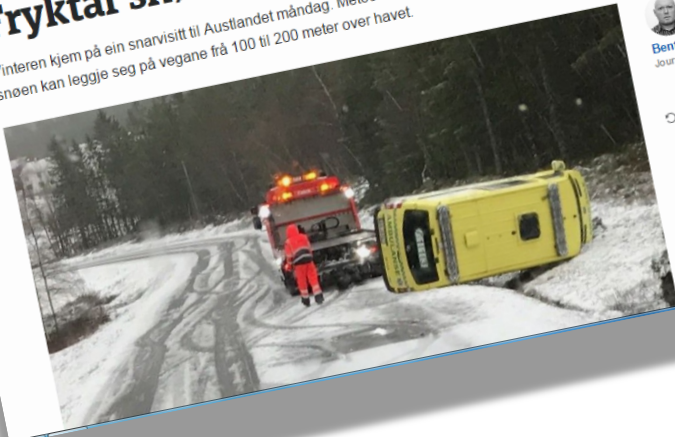


Norge

Siste nytt Dokumentar Klima NRK Ytring

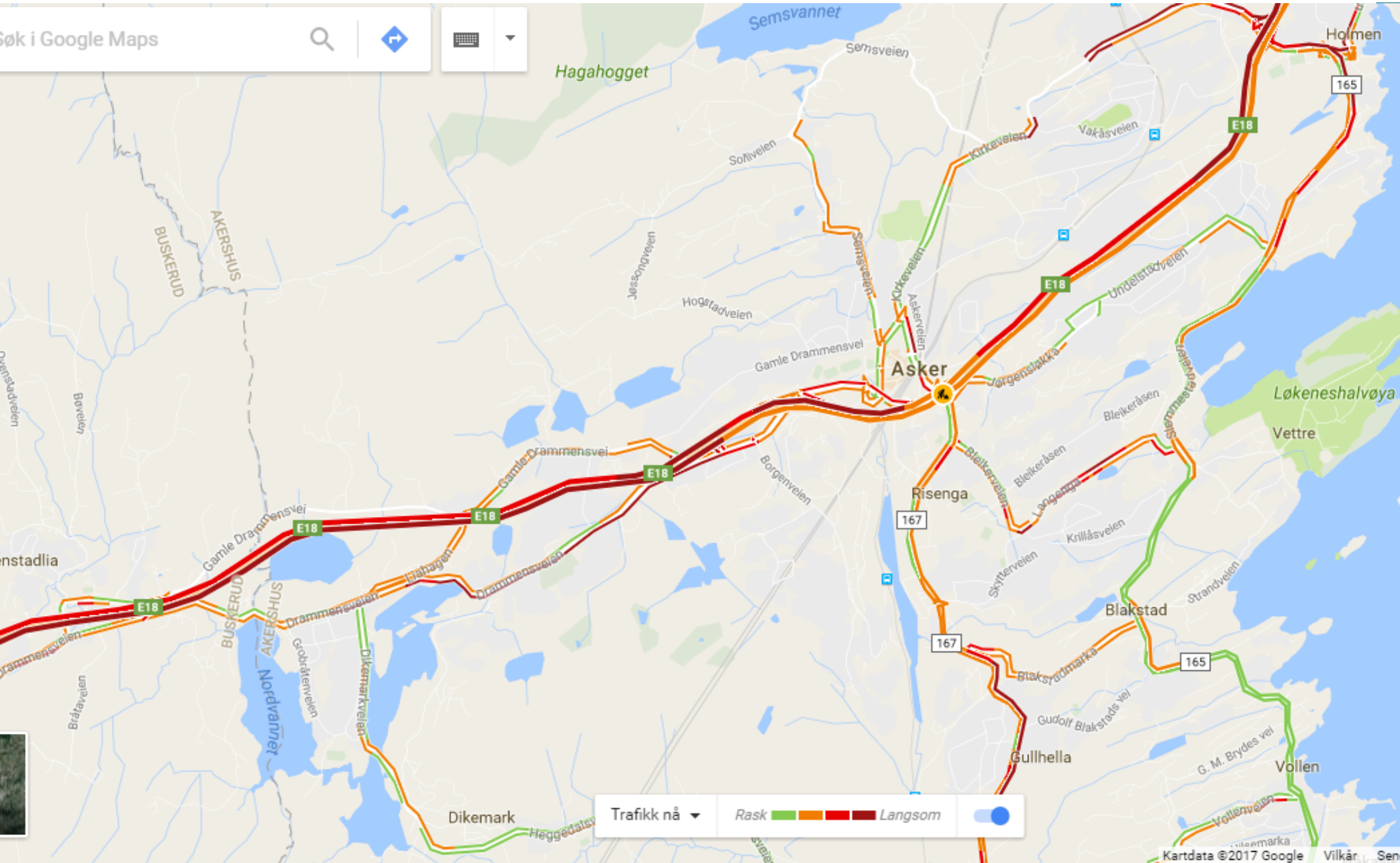
Fryktar snøkaos på Austlandet mandag

Vinteren kjem på ein snarvisitt til Austlandet mandag. Meteorologane åtvarar om at snoen kan leggje seg på vegane frå 100 til 200 meter over havet.



Bent Tandstad
Journalist

Oppdatert 23.04.2017, kl. 16:49



Ooops, your files have been encrypted!

English



What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am

CMT from Mendota, Ill.

Payment will be raised on

5/16/2017 00:47:55

Time Left

2:23:57:37

Your files will be lost on

5/20/2017 00:47:55

Time Left

5:23:57:37



Microsoft er irriterte på at verden ikke klarer å legge fra seg XP, og på brukerne som ikke oppdaterer. (Ill.: Microsoft)

Microsoft skylder på brukerne etter WannaCry-krisen: – Dere må oppdatere!

Av [Trond Bie](#), 16. mai 2017 kl 20:45

– Vi tettet hullet for to måneder siden.

ANNONSE

Brad Smith, Microsoft President og «Chief Legal Officer», skylder på NSA og brukerne etter WannaCry-trojaneren rammet hele verden [og som kan blusse opp igjen](#).

ANNONSE

Skylder på amerikanske sikkerhetsmyndigheter og kundene

Til amerikanske NPR forklarer Smith at WannaCry ble lappet av selskapet

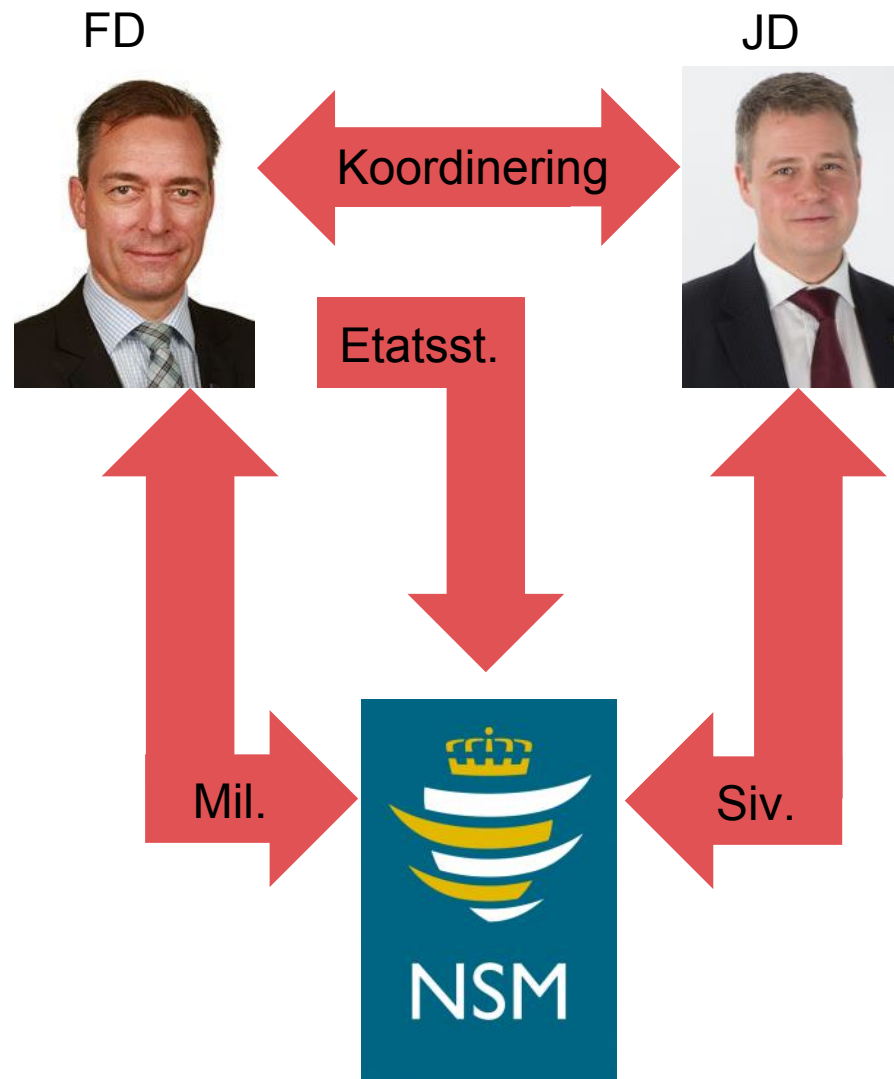
DATAANGREPET «WANNACRY»:



Solberg ber folk oppdatere datamaskinene sine

Om NSM

- Historikk tilbake til 1943
- Etablert som NSM i 2003
- 240 ansatte
- Hovedkvarter på Kolsås
- Kontorer i Sandvika og Oslo





<https://nsm.stat.no/publikasjoner/>









eminister Høie innrømmer:

et ikke hvilke IT-selskaper som ar tilgang på pasientjournaler

I det digitale rom bruker vi kun syn og hørsel



Vi kan ikke ta på det...
Vi kan ikke lukte det...
Vi kan ikke smake det....

Vi opplever ikke frykt, trussel og
risiko på samme måte

***«Man skjønner ikke
at man ikke
skjønner IKT!»***



Møter

Konferanser og møter på
Clarion Hotel® & Congress Trondheim

[Se galleri](#)



Wifi

Vi tilbyr gratis trådløst internett både i fellesområder og på hotellrom. Koble deg på nettverket ClarionConnect, eller logg inn med ditt Nordic Choice Club-medlemsnummer.

iCloud Terms and Conditions

Welcome to iCloud

THIS LEGAL AGREEMENT BETWEEN YOU AND APPLE GOVERNS YOUR USE OF THE iCloud PRODUCT, SOFTWARE, SERVICES, AND WEBSITES (COLLECTIVELY REFERRED TO AS THE "SERVICE"). IT IS IMPORTANT THAT YOU READ AND UNDERSTAND THE FOLLOWING TERMS. BY CLICKING "AGREE," YOU ARE AGREEING THAT THESE TERMS WILL APPLY IF YOU CHOOSE TO ACCESS OR USE THE SERVICE.

Apple is the provider of the Service, which permits you to utilize certain Internet services, including storing your personal content (such as contacts, calendars, photos, notes, reminders, documents, app data, and iCloud email) and making it accessible on your compatible devices and computers, and certain location based services, only under the terms and conditions set forth in this Agreement. iCloud is automatically enabled when you are running devices on iOS 9 or later and sign in with your Apple ID during device setup, unless you are upgrading the device and have previously chosen not to enable iCloud. You can disable iCloud in Settings. When iCloud is enabled, your content will be automatically sent to and stored by Apple, so you can later access that content or have content wirelessly pushed to your other iCloud-enabled devices or computers.

I. REQUIREMENTS FOR USE OF THE SERVICE

A. Age. The Service is only available to individuals aged 13 years or older (or equivalent minimum age in the relevant jurisdiction), unless you are under 13 years old and your Apple ID was provided to you as a result of a request by an approved educational institution or established as part of the Family Sharing feature by your parent or guardian. We do not knowingly collect, use or disclose personal information from children under 13, or equivalent minimum age in the relevant jurisdiction, without verifiable parental consent. Parents and guardians should also remind any minors that conversing with strangers on the Internet can be dangerous and take appropriate precautions to protect children, including monitoring their use of the Service.

To use the Service, you cannot be a person barred from receiving the Service under the laws of the United States or other applicable jurisdictions, including the country in which you reside or from where you use the Service. By accepting this Agreement, you represent that you understand and agree to the foregoing.

B. Devices and Accounts. Use of the Service may require compatible devices, Internet access, and certain software (fees may apply); may require periodic updates; and may be affected by the performance of these factors. Apple reserves the right to limit the number of Accounts that may be created from a device and the number of devices associated with an Account. The latest version of required software may be required for certain transactions or features. You agree that meeting these requirements is your responsibility.

C. Limitations on Use. You agree to use the Service only for purposes permitted by this Agreement, and only to the extent permitted by any applicable law, regulation, or generally accepted practice in the applicable jurisdiction. Your Account is allocated 5GB of storage capacity as described in the iCloud feature pages. Additional storage is available for purchase, as described below. Exceeding any applicable or reasonable limitation of bandwidth, or storage capacity (for example, backup or email account space) is prohibited and may prevent you from backing up to iCloud, adding documents, or receiving new email sent to your iCloud email address. If your use of the Service or other behavior intentionally or unintentionally threatens Apple's ability to provide the Service or other systems, Apple shall be entitled to take all reasonable steps to protect the Service and Apple's systems, which may include suspension of your access to the Service. Repeated violations of the limitations may result in termination of your Account.

If you are a covered entity, business associate or representative of a covered entity or business associate (as those terms are defined at 45 C.F.R. § 160.103), You agree that you will not use any component, function or other facility of iCloud to create, receive, maintain or transmit any "protected health information" (as such term is defined at 45 C.F.R. § 160.103) or use iCloud in any manner that would make Apple (or any Apple Subsidiary) Your or any third party's business associate.

D. Availability of the Service. The Service, or any feature or part thereof, may not be available in all languages or in all countries and Apple makes no representation that the Service, or any feature or part thereof, is appropriate or available for use in any particular location. To the extent you choose to access and use the Service, you do so at your own initiative and are responsible for compliance with any applicable laws.

E. Changing the Service. Apple reserves the right at any time to modify this Agreement and to impose new or additional terms or conditions on your use of the Service, provided that Apple will give you 30 days' advance notice of any material adverse change to the Service or applicable terms of service, unless it would not be reasonable to do so due to circumstances arising from legal, regulatory, or governmental action; to address user security, user privacy, or technical integrity concerns; to avoid service disruptions to other users; or due to a natural disaster, catastrophic event, war, or other similar occurrence outside of Apple's reasonable control. With respect to paid cloud storage services, Apple will not make any material adverse change to the Service before the end of your current paid term, unless a change is reasonably necessary to address legal, regulatory, or governmental action; to address user security, user privacy, or technical integrity concerns; to avoid service disruptions to other users; or to avoid issues resulting from a natural disaster, a catastrophic event, war, or other similar occurrence outside of Apple's reasonable control. In the event that Apple does make material adverse changes to the Service or terms of use, you will have the right to terminate this Agreement and your account, in which

avoid issues resulting from a natural disaster, a catastrophic event, war, or other similar occurrence outside of Apple's reasonable control. In the event that Apple does make material adverse changes to the Service or terms of use, you will have the right to terminate this Agreement and your account, in which case Apple will provide you with a pro rata refund of any pre-payment for your then-current paid term. Apple shall not be liable to you for any modifications to the Service or terms of service made in accordance with this Section E.

II. FEATURES AND SERVICES

A. Use of Location-based Services

Apple and its partners and licensors may provide certain features or services (e.g., Find My iPhone, Find My Friends) that rely upon device-based location information using GPS (where available) and crowd-sourced Wi-Fi hotspot and cell tower locations. To provide such features or services, where available, Apple and its partners and licensors must collect, use, transmit, process and maintain your location data, including but not limited to the geographic location of your device and information related to your iCloud account ("Account") and any devices registered thereunder, including but not limited to your Apple ID, device ID and name, and device type.

You may withdraw consent to Apple and its partners' and licensors' collection, use, transmission, processing and maintenance of location and Account data at any time by not using the location-based features and turning off the Find My iPhone, Find My Friends, or Location Services settings (as applicable) on your device. When using third party services that use or provide location data as part of the Service, you are subject to and should review such third party's terms and privacy policy on use of location data by such third party services. Any location data provided by the Service is not intended to be relied upon in situations where precise location information is needed or where erroneous, inaccurate, time-delayed or incomplete location data may lead to death, personal injury, property or environmental damage. Apple shall use reasonable skill and due care in providing the Service, but neither Apple nor any of its service and/or content providers guarantees the availability, accuracy, completeness, reliability, or timeliness of location data or any other data displayed by the Service. LOCATION-BASED SERVICES ARE NOT INTENDED OR SUITABLE FOR USE AS AN EMERGENCY LOCATOR SYSTEM.

B. Find My iPhone

Find My iPhone is automatically enabled on iOS devices running iOS 8 or later when iCloud is enabled. When Find My iPhone is enabled on iOS devices running iOS 7 or later, your iOS device will be automatically linked to your Apple ID. Your Apple ID password will be required before anyone (including you) can turn off Find My iPhone, sign out of iCloud, erase or activate the device. Apple and its authorized agents may not perform hardware or software support services, including services under Apple's limited warranty, unless you disable Find My iPhone prior to service. Apple shall bear no responsibility for your failure to protect your iOS device with a passcode, enable Lost Mode, and/or receive or respond to notices and communications. Apple shall also bear no responsibility for returning your iOS device to you or for any loss of data on your iOS device.

If you have an Apple Watch and pair it with an iPhone when you are signed in to iCloud, you may be able to benefit from the security features of Find My iPhone Activation Lock on your Apple Watch. If you enable Activation Lock for your Apple Watch and did not previously have Find My iPhone enabled on your paired iPhone, you will automatically turn on Find My iPhone on your paired iPhone. If you lose your watch and did not have Activation Lock turned on, you will not be able to benefit from the security features of Find My iPhone by turning it on from your iPhone unless you are in range of your Apple Watch to pair the devices.

C. Backup

The Service creates automatic backups for iOS devices periodically, when the device is screen locked, connected to a power source, and connected to the Internet via a Wi-Fi network. iCloud will store your last three backups; however, if a device has not backed up to iCloud for a period of one hundred and eighty (180) days, Apple reserves the right to delete the backups associated with that device. Backup is limited to device settings, device characteristics, photos and videos, documents, messages (iMessage, SMS, and MMS), ringtones, app data (including Health app data), location settings (such as location-based reminders that you have set up), and Home screen and app organization. Content purchased from the iTunes Store, App Store, or iBooksStore is not backed up, but may be eligible for download from those services, subject to account requirements, availability, and the applicable terms and conditions. Media synced from your computer is not backed up. If you enable iCloud Photo Library, your Photo Library will be backed up separately from the automatic iCloud backup. Your iCloud email, contacts, calendars, bookmarks, and documents are stored in, and can be accessed via iCloud on your devices and computers. Apple shall use reasonable skill and due care in providing the Service, but, TO THE GREATEST EXTENT PERMISSIBLE BY APPLICABLE LAW, APPLE DOES NOT GUARANTEE OR WARRANT THAT ANY CONTENT YOU MAY STORE OR ACCESS THROUGH THE SERVICE WILL NOT BE SUBJECT TO INADVERTENT DAMAGE, CORRUPTION, LOSS, OR REMOVAL IN ACCORDANCE WITH THE TERMS OF THIS AGREEMENT, AND APPLE SHALL NOT BE RESPONSIBLE SHOULD SUCH DAMAGE, CORRUPTION, LOSS, OR REMOVAL OCCUR. It is your responsibility to maintain appropriate alternate backup of your information and data.

When iCloud Backup is enabled, your device will not back up to iTunes automatically during a sync, but you may choose to manually initiate a backup to iTunes.

D. Photos

1. iCloud Photo Library. When you enable iCloud Photo Library, your photos, videos and metadata in the Photos App on your iOS device, OS X computer, or Windows PC ("Device Photo Library") will be automatically sent to iCloud, stored as your Photo Library in iCloud, and then pushed to all of your other iCloud Photo Library-enabled devices and computers. If you later make changes (including deletions) to the Device Photo Library on any one of these devices or computers, your changes will automatically be sent to and reflected in your iCloud Photo Library. These changes will also be pushed from iCloud to and reflected in the Device Photo Library on all of your other iCloud Photo Library-enabled devices and computers. Please note that the resolution of content in your Photo Library on your device or computer

the Device Photo Library on any one of these devices or computers, your changes will automatically be sent to and reflected in your iCloud Photo Library. These changes will also be pushed from iCloud to and reflected in the Device Photo Library on all of your other iCloud Photo Library-enabled devices and computers. Please note that the resolution of content in your Photo Library on your device or computer may vary depending upon the amount of available storage and the storage management option you have selected for your iCloud-Photo-Library-enabled device. If you do not wish to use iCloud Photo Library, you can turn iCloud Photo Library off on all of your Apple devices that have iCloud Photo Library enabled.

2. My Photo Stream. When you use the My Photo Stream feature of iCloud, Apple may store photos taken on your iOS Device or uploaded from your computer for a limited period of time and automatically send the photos to your other Apple devices that have My Photo Stream enabled. Please note that a limited number of photos may be stored in the cloud or on your devices at any one time, and older photos will be automatically deleted from My Photo Stream over time. Any photos you want to keep on a particular device permanently must be saved to the camera roll or the photo library on your computer. Photo resolution may vary depending on the device to which the photos are downloaded. If you do not wish to use My Photo Stream, you can turn My Photo Stream off on all of your Apple devices that have My Photo Stream enabled. If you enable iCloud Photo Library, devices and computers will no longer download data from My Photo Stream, but will continue to upload data to My Photo Stream. This means that iCloud-Photo-Library-enabled devices and computers will send data to devices and computers that are not enabled, while data from non-enabled devices and computers will not be uploaded to iCloud Photo Library.

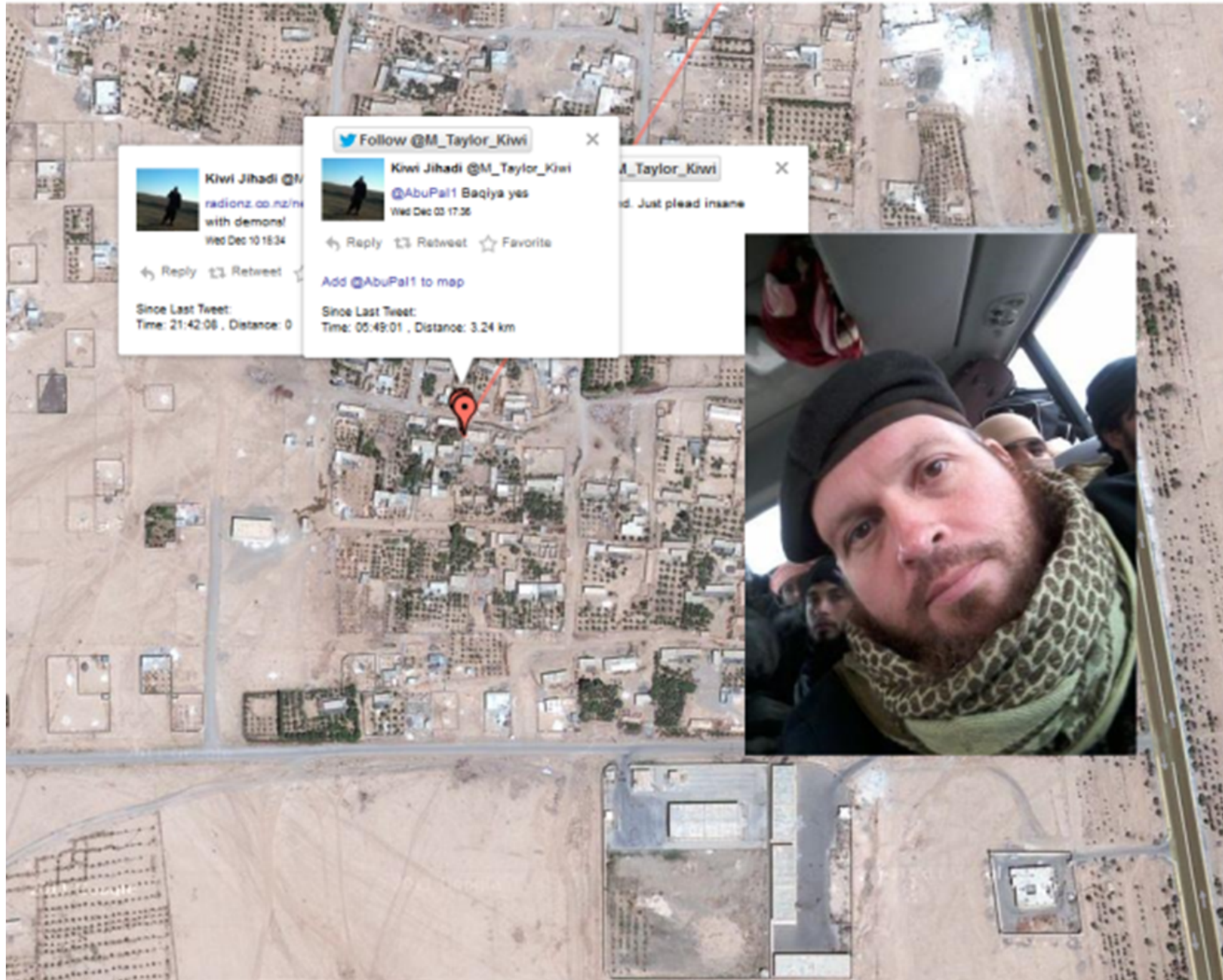
3. iCloud Photo Sharing. By using the iCloud Photo Sharing feature, Apple may continuously store the photos and videos you share until you delete them, send those photos and videos to your other Apple devices that have iCloud Photo Sharing enabled, and send them to the Apple devices of the people you choose to share them with, including members of your Family if Family Sharing is enabled. When you use iCloud Photo Sharing, you are allowing your recipients to view, save, copy, and share your photos and videos, as well as contribute photos and videos, and leave comments. If you choose to use iCloud Photo Sharing to share photos via a web link, these photos will be publicly available to anyone who has been provided or has access to the web link. You can delete individual photos, videos, comments, or entire shared photo streams at any time to stop sharing them immediately, however, photos and videos that the viewer has previously saved to their device or computer will not be deleted.

E. Public Beta

From time to time, Apple may choose to offer new and/or updated features of the Service (the "Beta Features") as part of a Public Beta Program (the "Program") for the purpose of providing Apple with feedback on the quality and usability of the Beta Features. You understand and agree that your participation in the Program is voluntary and does not create a legal partnership, agency, or employment relationship between you and Apple, and that Apple is not obligated to provide you with any Beta Features. Apple may make such Beta Features available to Program participants by online registration or enrollment via the Service. You understand and agree that Apple may collect and use information from your Account, devices and peripherals in order to enroll you in a Program and/or determine your eligibility to participate. You understand that once you enroll in a Program you may be unable to revert to the earlier non-beta version of a given Beta Feature. In the event such reversion is possible, you may not be able to migrate data created within the Beta Feature back to the earlier non-beta version. Your use of the Beta Features and participation in the Program is governed by this Agreement and any additional license terms that may separately accompany the Beta Features. The Beta Features are provided on an "AS IS" and "AS AVAILABLE" basis and may contain errors or inaccuracies that could cause failures, corruption or loss of data and/or information from your device and from peripherals (including, without limitation, servers and computers) connected thereto. Apple strongly encourages you to backup all data and information on your device and any peripherals prior to participating in any Program. You expressly acknowledge and agree that all use of the Beta Features is at your sole risk. YOU ASSUME ALL RISKS AND ALL COSTS ASSOCIATED WITH YOUR PARTICIPATION IN ANY PROGRAM, INCLUDING, WITHOUT LIMITATION, ANY INTERNET ACCESS FEES, BACKUP EXPENSES, COSTS INCURRED FOR THE USE OF YOUR DEVICE AND PERIPHERALS, AND ANY DAMAGE TO ANY EQUIPMENT, SOFTWARE, INFORMATION OR DATA. Apple may or may not provide you with technical and/or other support for the Beta Features. If support is provided it will be in addition to your normal support coverage for the Service and only available through the Program. You agree to abide by any support rules or policies that Apple provides to you in order to receive any such support. Apple reserves the right to modify the terms, conditions or policies of the Program (including ceasing the Program) at any time with or without notice, and may revoke your participation in the Program at any time. You acknowledge that Apple has no obligation to provide a commercial version of the Beta Features, and that should such a commercial version be made available, it may have features or functionality different than that contained in the Beta Features. As part of the Program, Apple will provide you with the opportunity to submit comments, suggestions, or other feedback regarding your use of the Beta Features. You agree that in the absence of a separate written agreement to the contrary, Apple will be free to use any feedback you provide for any purpose.

F. Family Sharing. If you enable Family Sharing, Apple can share certain iTunes, iBooks and App Store purchases, and iCloud content, including, for example, shared calendars, shared photos, and location (if enabled) with your family members. For more information regarding sharing your iTunes purchases, please see the iTunes terms and conditions at <https://www.apple.com/legal/internet-services/itunes/ww/>.

G. Mail Drop. If you are logged in to iCloud and you use OS X Mail or iCloud Webmail to send email with attachments, whether or not you use iCloud or other email services, in order to facilitate large transfers of files, you agree to allow Apple to temporarily store the attachments in iCloud for emails where the size of the message plus the size of attachments is greater than 20 MB, with an upper limit of 5 GB. You also agree to allow Apple to deliver your emails to recipients with links to your file attachments. If a recipient is using OS X 10.10 or later, OS X Mail will automatically download the attachments. As a sender, you and all recipients should not notice a significant change in the way you send and receive emails and attachments. Temporary storage of large email attachments will not count towards your storage limit. These attachments will have an expiration date. At the time of expiration, those attachments will no longer



Mark John Taylor, NZ



- Vi har egentlig ikke tatt helt på alvor sårbarheten vi utsetter oss for når vi gir bort så mye privat data, sier Inge Kampenes, sjefen i Cyberforsvaret. Foto: Gorm K. Gaare

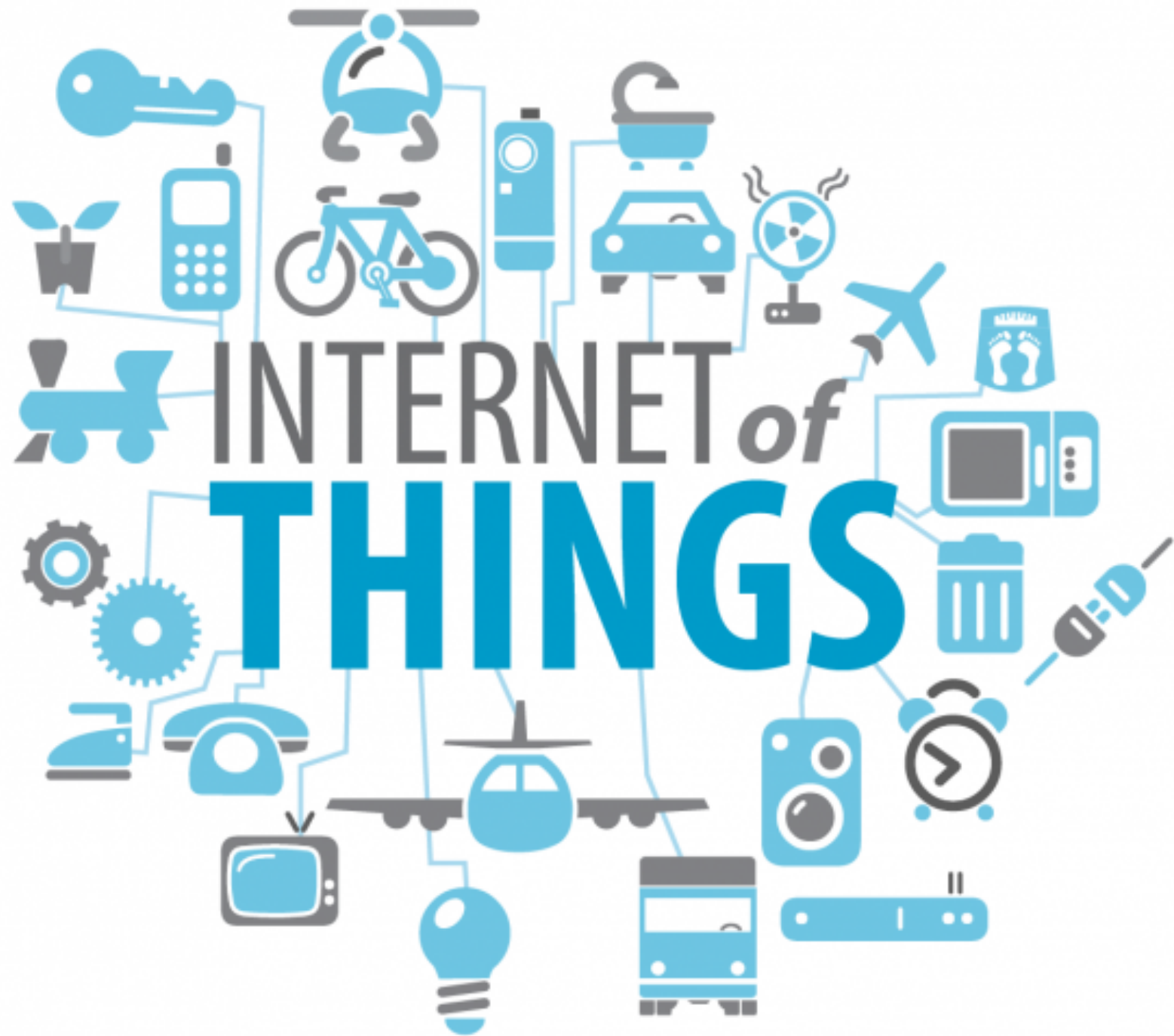
Etterhørs Teknologi

Forsvarets cybersjef frykter vi har lagt igjen for mye informasjon om oss selv på nettet: - En tapt generasjon

Sjef Inge Kampenes i Cyberforsvaret (51) er bekymret for hvordan privat informasjon vil bli brukt mot oss i potensielle cyberangrep.



Ved hjelp av mobildata skal Kinas innbyggerne rangeres etter poengsum. Lav «sosial kreditt» kan gi problemer.



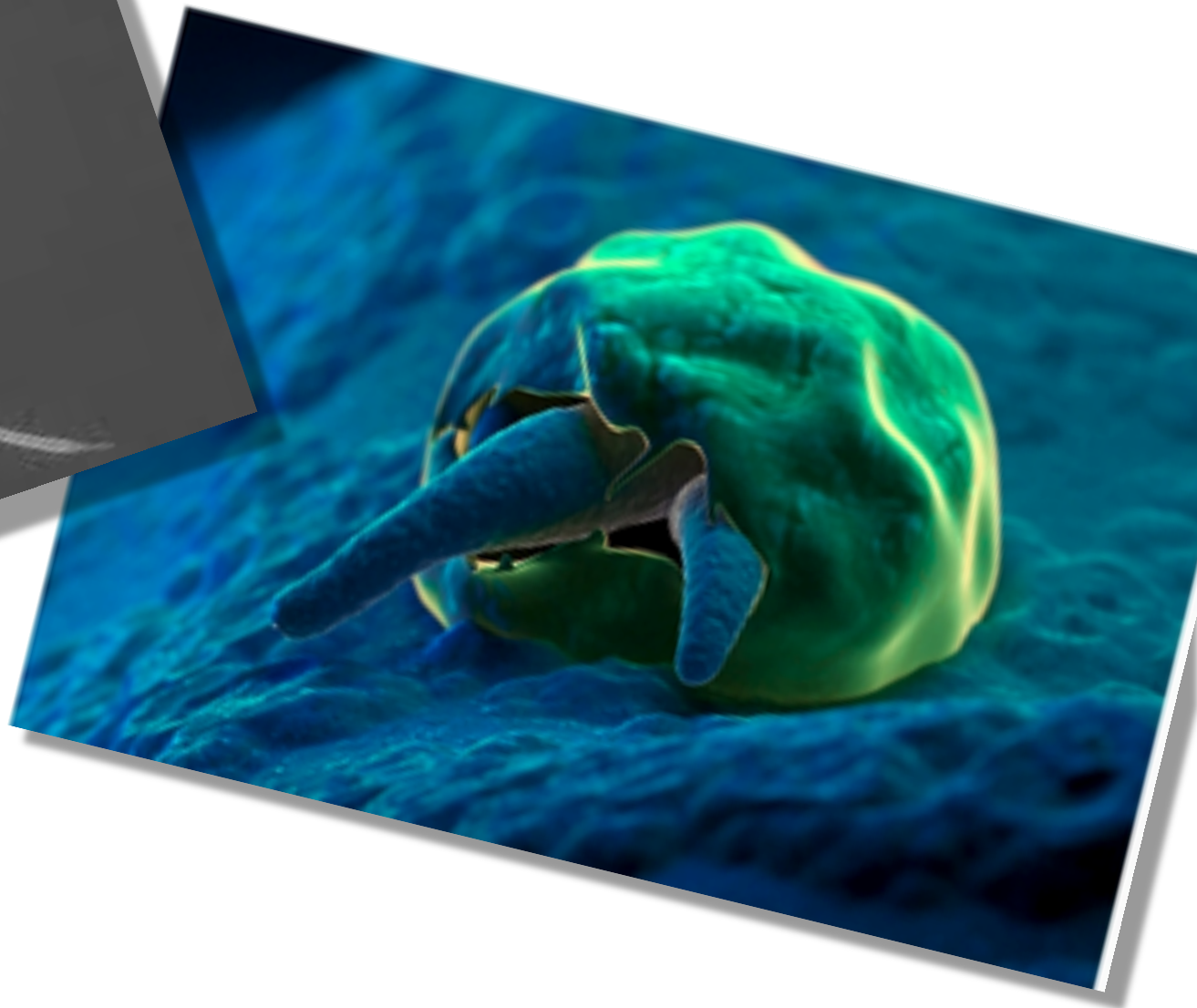
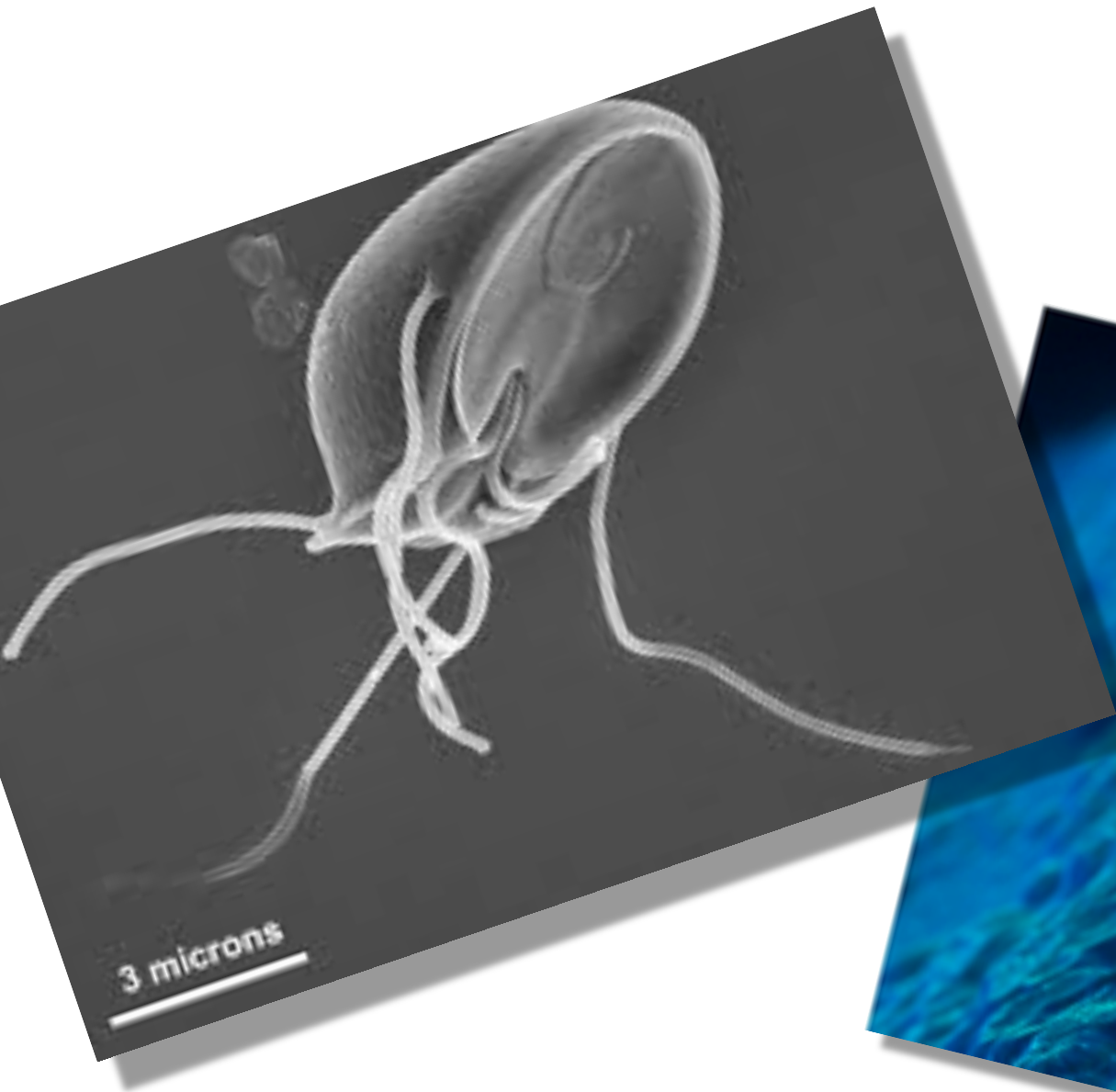
fra Mattilsynets undersøkelse:

Finnes det rutiner/mekanismer for viruskontroll mot DKS*?»

DKS: Driftskontrollsystem, utstyr, infrastruktur, programvare med mer som benyttes til overvåking og styring av fysiske produksjonsanlegg)

«Ikke annet enn bakteriologisk kontroll»

*«Dette er undersøkt tidligere, uten funn av
Giardia + Cryptosporidium»*



– Nordmenn er Europas
mest naive og godtruande

Dagbladet
Tirsdag 5. mai 2009 Nr. 121. Uke 19. 141. årgang. Løssalg kr 15,00 € 3 utenfor Norden

Se hvor
vi går
i fella



Nordmenn mest
**LETT-
LURT**
i Europa

LÆRER ALDRI: Pyramidespill, nigeriabrev og aksjesvindel.
Førstestatsadvokat Arnt Angell (bildet) i Økokrim sier nordmenn
lar seg lure dobbelt så ofte som svensker og dansker. **SIDE 2 OG 3**

– Nordmenn er Europas
mest naive og godtruande



Den norske drømmende,
smånaive nissen



Den globale,
kyniske varianten



– Norge har beskyttet seg mot en "boom and bust"-økonomi og investert i fremtiden framfor å bruke pengene. Dette krever høy grad av sosial tillit, et samlet mål, sjenerøsitet og et godt styresett, ifølge rapporten. (Foto: Colourbox)

Ny rapport: Nordmenn er verdens lykkeligste

Norge er ikke lykkelig på grunn av oljen, men til tross for den, heter det i ny rapport, som rangerer Norge som verdens lykkeligste land.

NTB



20.3 2017 10:14

Norge er ikke lykkelig på grunn av oljen, men til tross for den, heter det i ny rapport, som rangerer Norge som verdens lykkeligste land.

ANNONSE

SE OGSÅ



Norge har overtatt plassen som verdens mest digitale land Foto: Fartein Rudjord

Nyheter Teknologi

Norge er verdens mest digitale land

Både næringslivet og offentlig sektor ligger langt fremme, viser fersk undersøkelse.



Kari Vartdal Riise [FØLG MEG](#)

Publisert: 15.06.2017 – 13:29

Oppdatert: 15.06.2017 – 13:29



Anundsen:

– For lett å hente ut informasjon fra Norge

NTB

OPPDATERT: 10.FEB. 2016 06:23 | PUBLISERT: 10.FEB. 2016 06:23



- Ekstremt dårlige

– Dette handler om deg og meg, små bedrifter, store bedrifter og offentlige organer. Vi er ekstremt dårlige til å beskytte vår egen informasjon. Vi må rett og slett skjerpe oss. Det er for lett å hente ut informasjon fra oss, sier han.



FOTO: Bendiksbj, Terje

Justisminister Anders Anundsen mener at nordmenn, norske bedrifter og offentlige organer er ekstremt dårlige til å beskytte seg mot utenlandsk spionasje. – Vi må skjerpe oss, sier han.

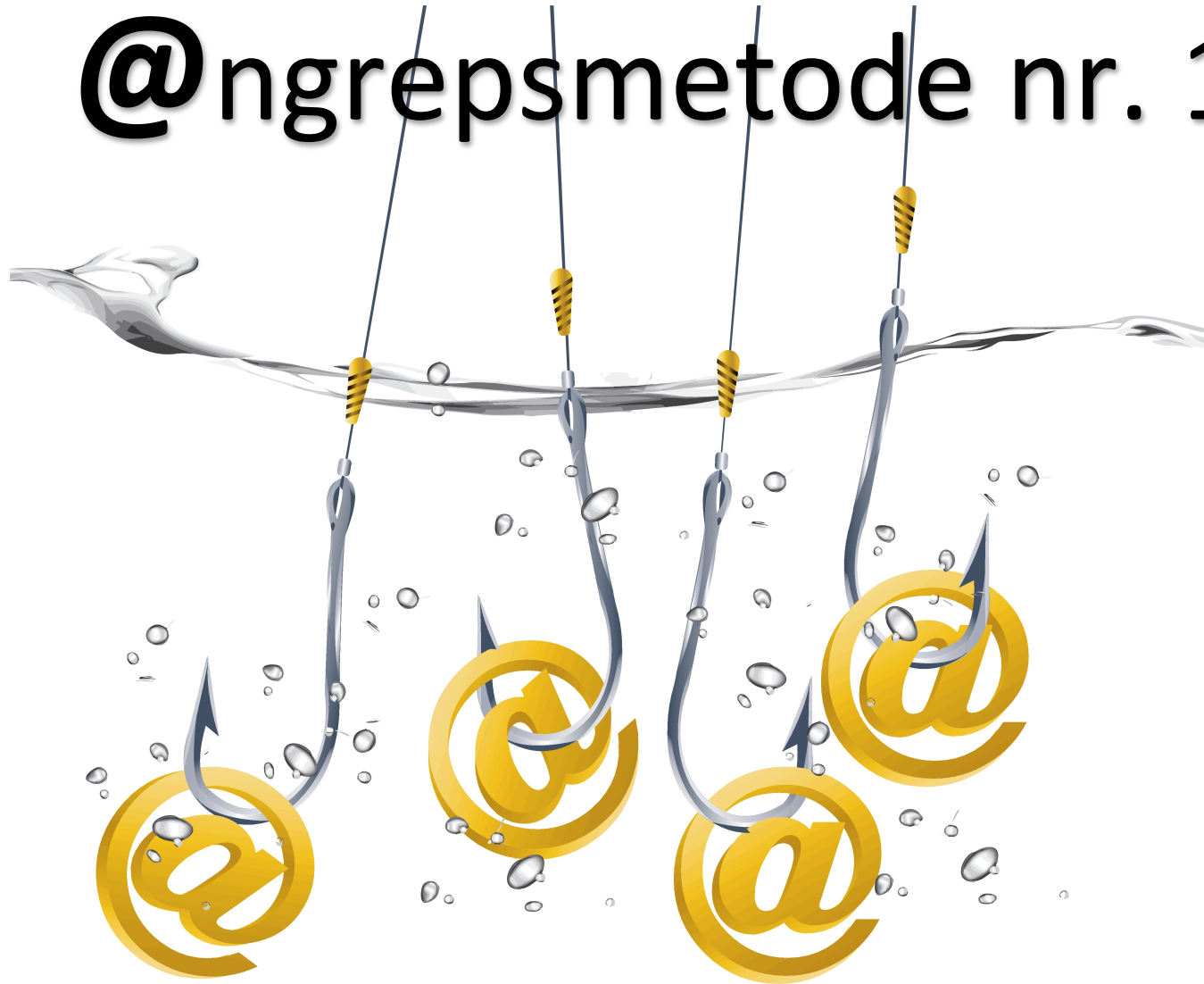


★ EST 1988 ★

O'Leary's[®]

BAR & RESTAURANT

@ngrepsmetode nr. 1



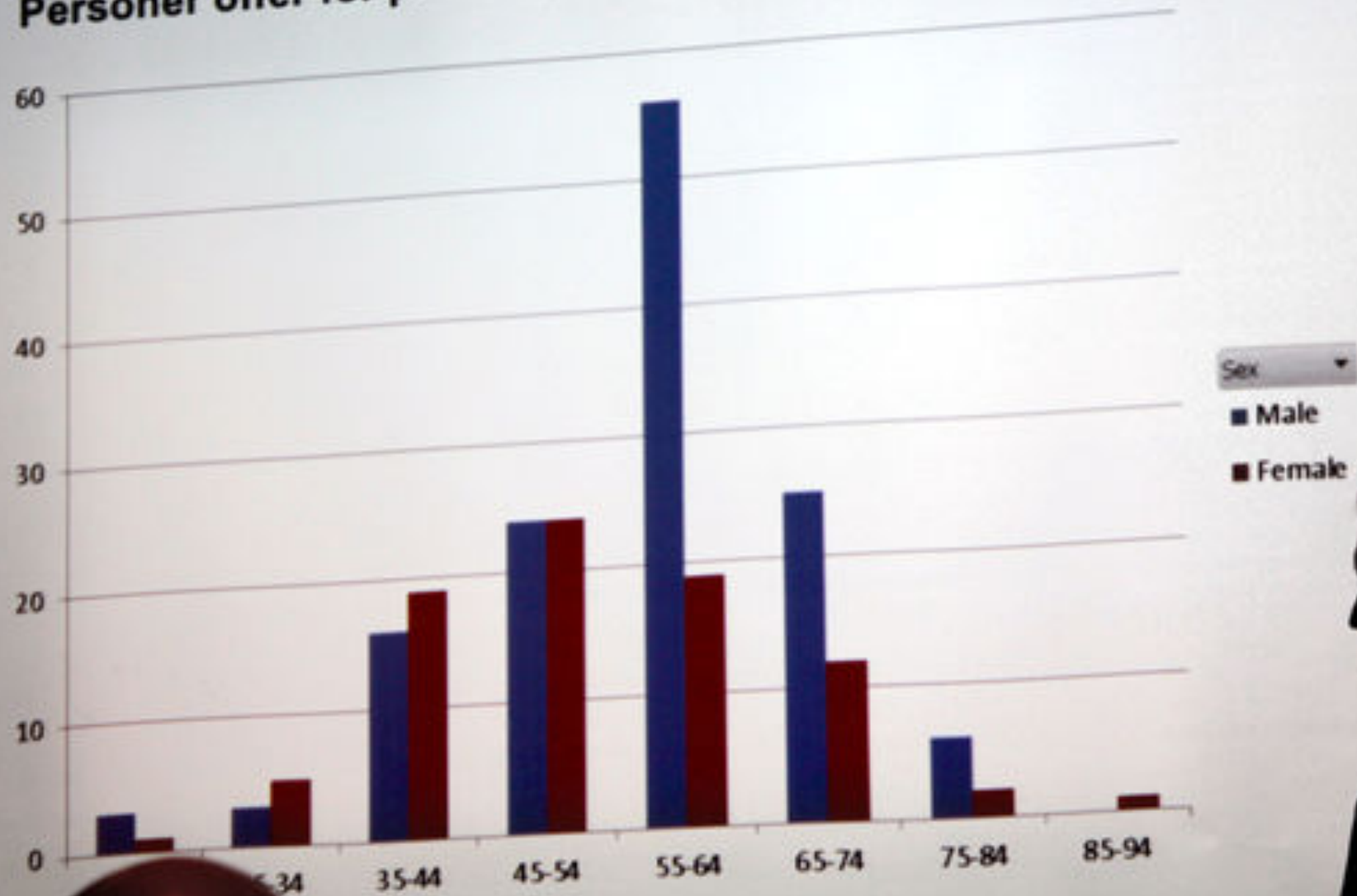
Målrettede e-poster med skadevare i vedlegg eller linker



+



Personer offer for phishing i april og mai 2015



SIKKERHET?

***HOLDER DET IKKE
BARE MED TEKNOLOGI?***





Her kan du betale med



MobilePay
By Danske Bank®

Ulike typer elektroniske trusler:

Logiske angrep på komponenter som utgjør kritiske IKT-systemer kan skape store problemer for eierne av IKT-systemene. Det kan være snakk om spredning av virus ¹, trojanske hester ² eller Ormer ³. Den senere tid har vi sett flere store nettsteder blitt utsatt for det som kalles «distributed, coordinated denial-of-service attack». Det vil si at angriperne bruker flere kraftige datamaskiner til samtidig å sende formidable mengder forespørsler mot nettsiden de ønsker å angripe. Dette vil føre til at det angrepne nettstedets servere i verste fall vil bryte sammen, og i beste fall svært vanskelig for andre brukere å komme i kontakt med serveren.

Logiske angrep på komponenter som støtter opp om de kritiske IKT-systemer. Dette er indirekte angrep på støttefunksjoner som IKT-systemene er avhengige av for å kunne fungere. Det kan være ventilasjonssystemer, strømforsyning, vannkjøling m.m. På bakgrunn av dette er det ikke tilstrekkelig at bare IKT-systemene er sikret.

Bevisst utnyttelse av IKT-systemer for å tilegne seg informasjon som en i utgangspunktet ikke har rettmessig tilgang til, for eksempel knekking av koder for kryptering/passord for å tilegne seg andres krypterte informasjon. Elektronisk tyveri av dokumenter/informasjon samt spionasje, både industriell og statlig, er et stort problem som man ikke har oversikt over på grunn av store mørketall.

NOU

Norges offentlige utredninger **2000: 24**

Et sårbart samfunn

Utfordringer for sikkerhets- og beredskapsarbeidet i samfunnet

Innstilling fra utvalg oppnevnt ved kongelig resolusjon 3. september 1999
Avgitt til Justis- og politidepartementet 4. juli 2000.

Digital sårbarhet – sikkert samfunn

Beskytte enkeltmennesker og samfunn i en digitalisert verden



«Datateknologi og telekommunikasjon har skapt store forandringer i næringsliv og offentlig forvaltning.

I løpet av drøye 20 år er IKT tatt i bruk i større eller mindre grad på de aller fleste områder, - skritt for skritt innen den enkelte bedrift/institusjon, - uten at man samtidig har tilstrebet noen samlet oversikt over IKT-avhengighet og samfunnsmessige konsekvenser.

Dette har ført til nye og uoversiktlige strukturer og avhengighetsforhold innen næringsliv og forvaltning.»

«**Datateknikk** og telekommunikasjon har skapt store forandringer i næringsliv og offentlig forvaltning.

I løpet av drøye 20 år er **EDB** tatt i bruk i større eller mindre grad på de aller fleste områder, - skritt for skritt innen den enkelte bedrift/institusjon, - uten at man samtidig har tilstrebet noen samlet oversikt over **EDB-avhengighet** og samfunnsmessige konsekvenser.

«Dette har ført til nye og uoversiktlige strukturer og avhengighetsforhold innen næringsliv og forvaltning.»



Tidens Tegn lørdag 12. august 1916.

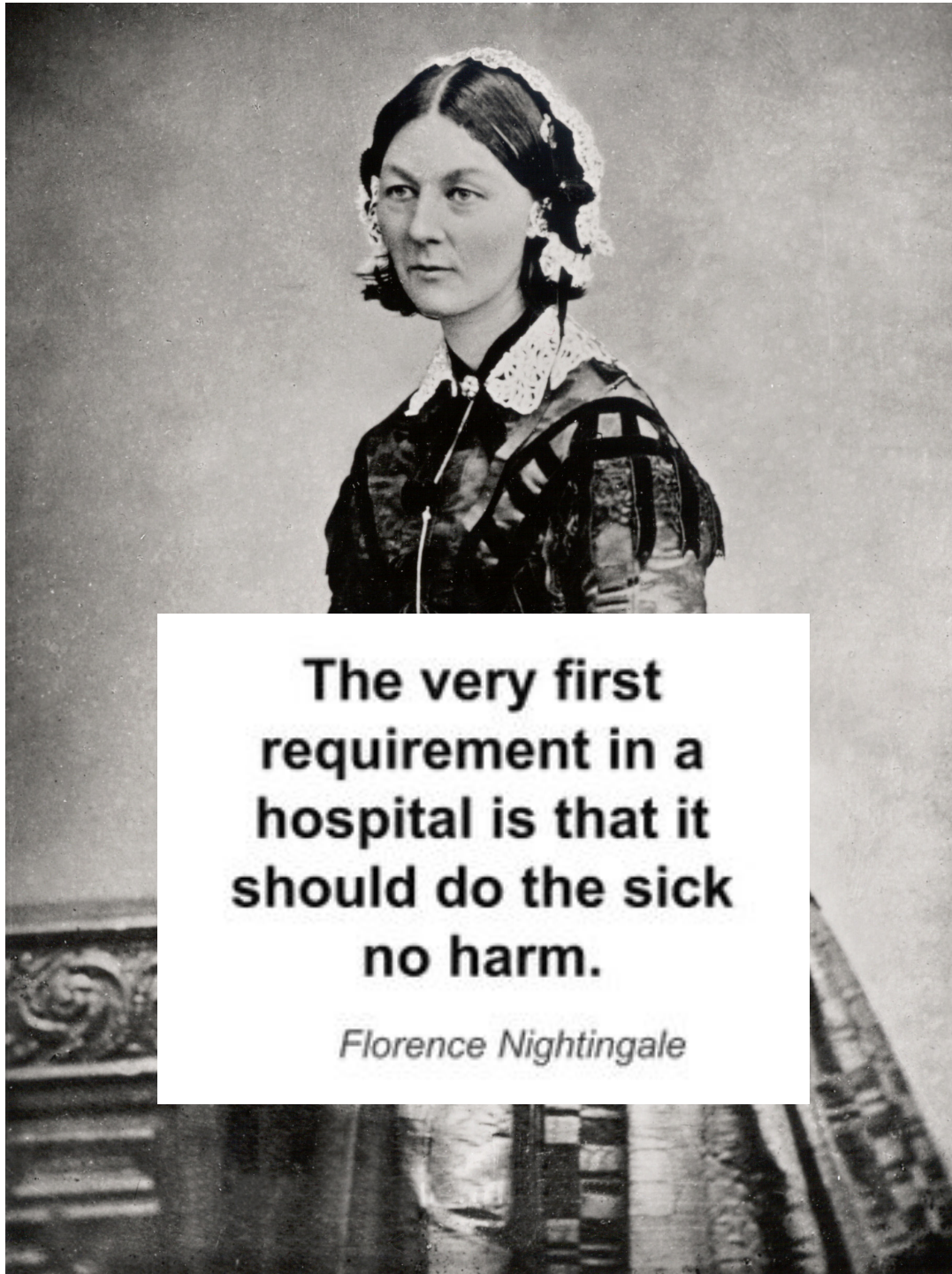
Er vore traadløse stationer utsat for spioneri og for tyveri av telegrammer?

Tappes ogsaa indenlandske, særlig indenbys telefonledninger av handelsspioner?

Ingen vanskeligheter for en nogenlunde kyndig mand at snappe op meddelelser.

Men en yderst alvorlig affære, naardet opdages siger telegrafstyret

Det var en ganske allarmende melding, som bragtes os i et telegram fra vor Bergenskorrespondent til vort gaarsnummer: Rundemandens traadløse telegraf-	vore landsmænd vil holde sine øjne aapne, saa der de hjælpe til at gi agt paa enhver mulighed for udenlandsk misbruk. Det faktiske forhold er, at hvert eneste	saa en vældig risiko, hvis han opdages. — De mener kanske særlig det er let for skaber i sjænen snappe op meldinger fra Bur
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**The very first
requirement in a
hospital is that it
should do the sick
no harm.**

Florence Nightingale



e identified five environmental factors:

Pure fresh air – “to keep the air he breathes as pure as the external air without chilling him.”

Pure water – “well water of a very impure kind is used for domestic purposes. And when epidemic disease shows itself, persons using such water are almost sure to suffer.”

Effective drainage – “all the while the sewer maybe nothing but a laboratory from which epidemic disease and ill health is being installed into the house.”

Cleanliness – “the greater part of nursing consists in preserving cleanliness.”

Light (especially direct sunlight) – “the usefulness of light in treating disease is very important.”



4 EFFEKTIVE TILTAK MOT DATAANGREP

1 Oppgrader program- og maskinvare



2 Installer sikkerhetsoppdateringer så fort som mulig



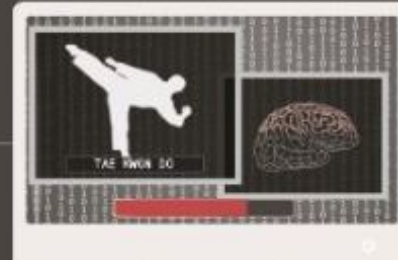
3 Ikke tildel sluttbrukere administratorrettigheter



4 Blokker kjøring av ikke-autoriserte programmer



1 Oppgrader program- og maskinvare



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Grunnprinsipper for IKT-sikkerhet

Introduksjon

Gjennomgående vurderinger
for

"NSMs grunnprinsipper for IKT-sikkerhet" definerer et sett med prinsipper for hvordan IKT-systemer bør sikres for å beskytte verdier og leveranser. Grunnprinsippene beskriver hva en virksomhet bør gjøre for å sikre et IKT-system. De beskriver også hvorfor det bør gjøres, men ikke hvordan.

at vi får på plass fundamentale prinsipper for sikring, måling og forbedring som følges opp over tid?

Disse spørsmålene er bakgrunnen for utviklingen av NSMs grunnprinsipper for IKT-sikkerhet.

I menyen nedenfor kan du gå direkte til de ulike kapitlene i grunnprinsippene.

Du kan laste ned hele dokumentet som en PDF-fil her: [NSMs grunnprinsipper for IKT-sikkerhet](#).

Har du spørsmål eller innspill til dokumentet, kontakt oss på grunnprinsipper@nsm.stat.no.

3. Opprettholde
og oppdage

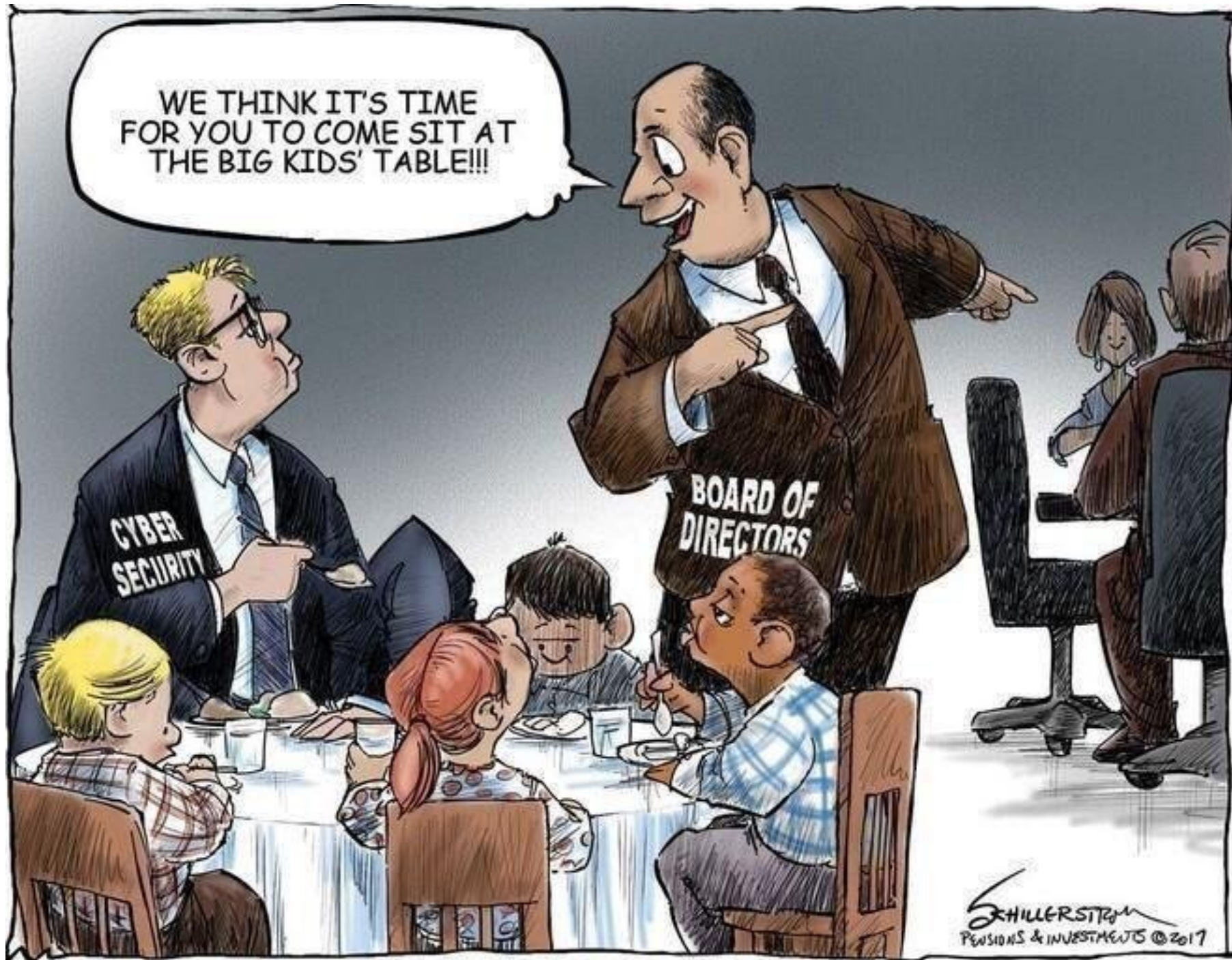
4. Håndtere og
gjenopprette

WE THINK IT'S TIME
FOR YOU TO COME SIT AT
THE BIG KIDS' TABLE!!!

CYBER
SECURITY

BOARD OF
DIRECTORS

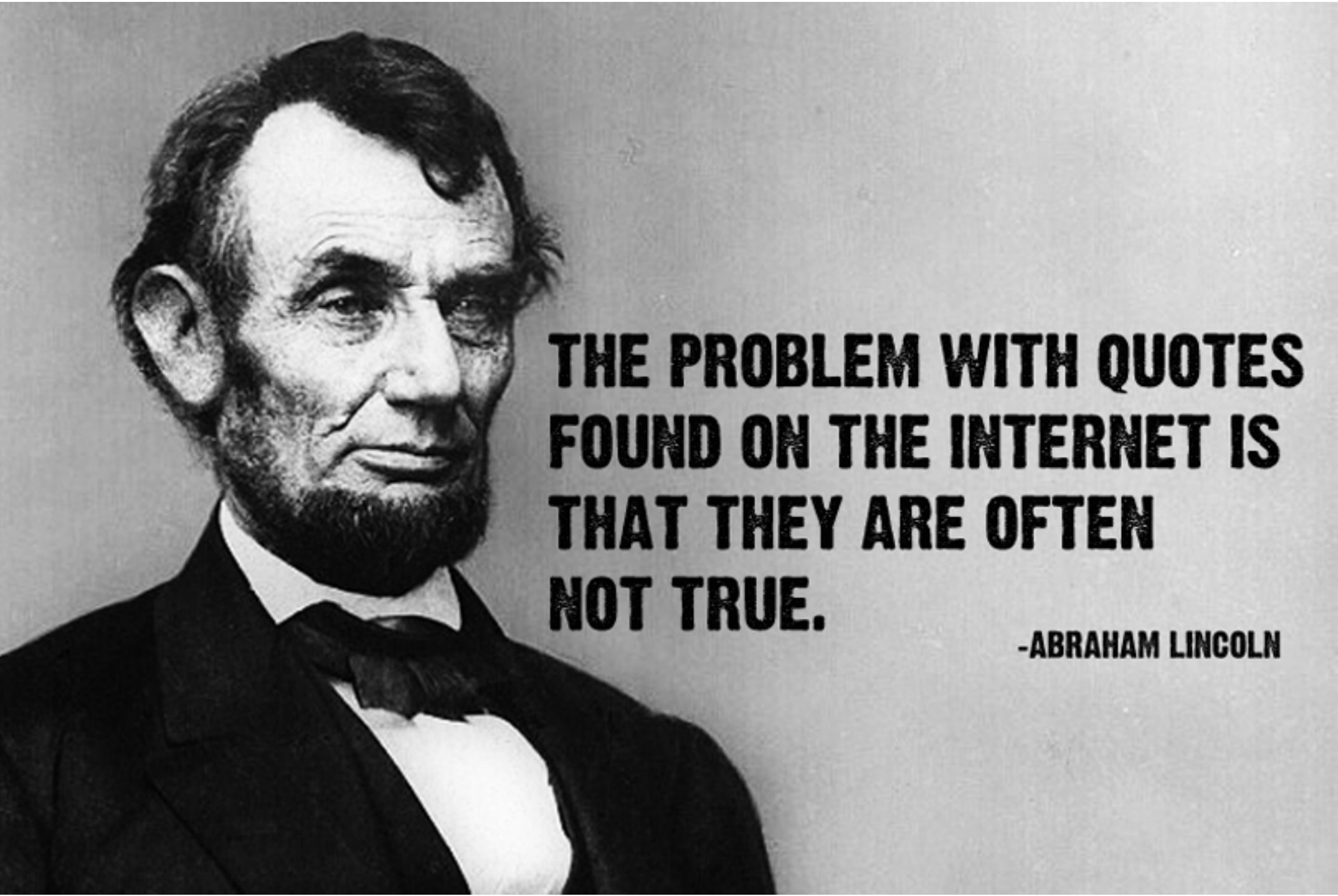
SCHILLERSTROM
PENSIONS & INVESTMENTS © 2017



«Gode sikkerhetstiltak blir best når virksomhetene og deres ansatte selv finner løsninger som er basert på en god forståelse om hva slags bransje de er i, markedet de opererer i, hva de tjener penger på, hvilke verdier de har, hva slags risiko de har, hva slags risiko de er villige til å ta, hva slags trusler de står overfor, hvordan deres bedriftskultur er og ikke minst hva slags sikkerhetstiltak som allerede er på plass og hvorvidt de virker eller ikke.»



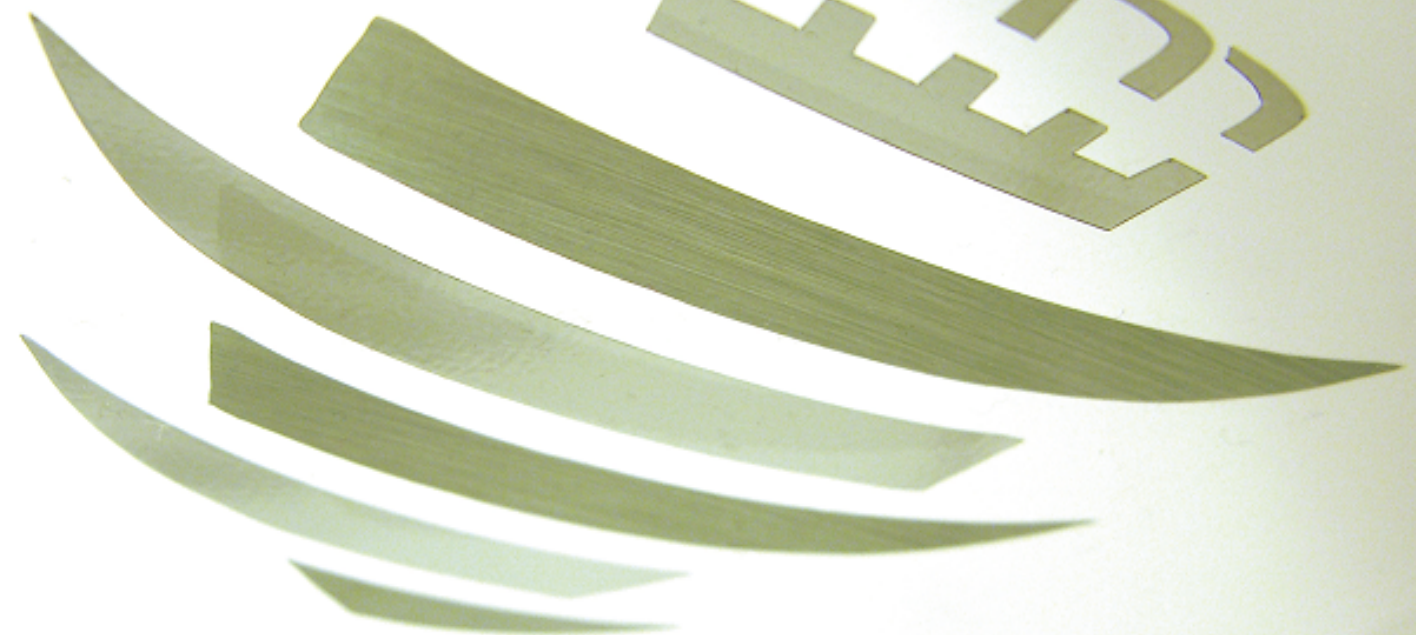
«Gode sikkerhetstiltak blir best når **vår virksomhet** og **våre** ansatte selv finner løsninger som er basert på en god forståelse om hva slags bransje **vi** er i, markedet **vi** opererer i, hva **vi** tjener penger på, hvilke verdier **vi** har, hva slags risiko **vi** har, hva slags risiko **vi** er villige til å ta, hva slags trusler **vi** står overfor, hvordan **vår** bedriftskultur er og ikke minst hva slags sikkerhetstiltak som allerede er på plass og hvorvidt de virker eller ikke.»



**THE PROBLEM WITH QUOTES
FOUND ON THE INTERNET IS
THAT THEY ARE OFTEN
NOT TRUE.**

-ABRAHAM LINCOLN





MSN

MSN