



European Organization for Particle Physics
Exploring the frontiers of knowledge



CERN Computer Security

Abuse, Blunder & Fun



There is no 100% security.

**Security is as good as the
weakest link: us!**

The advantage is with the attackers.



**Attackers might come with
money, knowledge and time.
Focussed ones usually succeed ☹**

**Bad things happen...
...and can happen to any of us!**





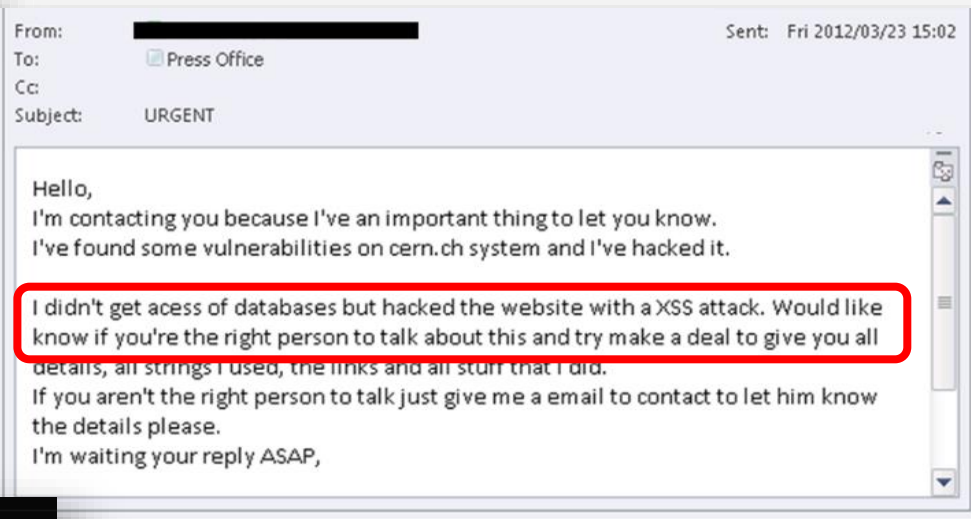
C3 ~ RET

@c3retc3

Follow

#CERN discloses passwords, source code and tickets to Web spiders

6:03 a.m. - 29 Sep 2015



PART 1: HACKING THE LARGE HADRON COLLIDER (XSS VULNERABILITY)

Published by camilla c. | Filed under [General](#), [News](#), [Spreadin'](#)

PART 2: HACKING THE LARGE HADRON COLLIDER (AUTHORIZATION BYPASS)

Published by camilla c. | Filed under [General](#), [News](#)

```
<sc0rp> nice
<MLT> using the exploit on CERN would be win, hacking the people who created the internet :P
<sc0rp> haha
```

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Absolute BS Crap Reasonable Nice Amazing

Do you think it's possible for the CERN LHC to be hacked?

Anonymous Coward
User ID: 9578086
United States
05/25/2015 10:42 PM
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Do you think it's possible for the CERN LHC to be hacked?

Shouldn't it have the same level of protections as a nuclear power plant? Yet I feel it probably does not...

Dear Dr. [REDACTED]

I regret to inform you that your life may be in danger if you are one of the seven men that have been pushing for higher energy particle collision experiments at CERN.

Due to warnings by prominent theoretical physicists like Dr. Stephen Hawking that your proposed higher energy particle collision experiments could create a singularity that destroys our universe, combined with anonymous theoretical physicists with no financial stake in CERN's continued operations all making the same dire predictions, some anonymous individuals have become convinced that the only way to save our universe from destruction is to kill these 7 men, of which, unfortunately, you may be one.

Some of our members have also run our own highly advanced Temporal Derivative Predictive Modeling calculations which suggest that your new higher energy particle collision

- ▶ [ObamaFail: Affordable Insurance Rates Set To Skyrocket 50%... Again](#)



Mandate:

Protect the operations and reputation of CERN against cyber-threats

Protecting Our/Your Assets

Protecting CERN's Reputation

Protecting CERN's Operations

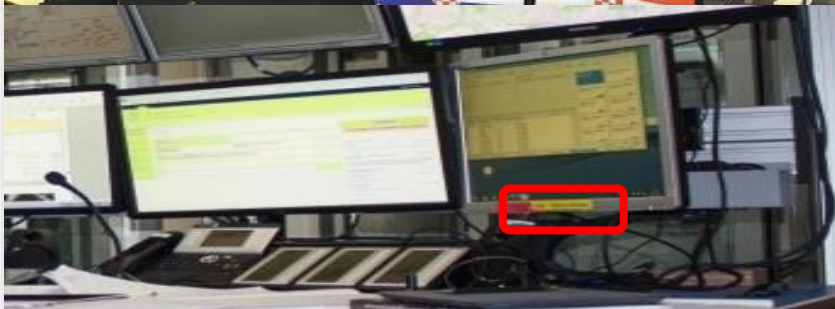


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Issue No. 20-21/2014 - Monday 12 May 2014
No printable version available - Subscribe:

Polarisation confirmed

Celebrating with our neighbours

LS4 Report: PS Booster prepares for beam

From the drawing board to the test bench

Data defenders

The "Karma Level Sexy Bottom" awards are back at CERN

Winter Atomιάdes 2014: CERN skiers win 31 medals!

BEHIND THE SCENES OF GS: NOTHING LEFT TO CHANCE

The AS (Alarm Systems) Section in the GS-ASE Group is, as its name suggests, in charge of the various alarm systems spread across CERN's many sites. Its mission? To install, manage and maintain more than 26,000 alarms of all types located both above ground and in the tunnels.



Detection

Among these systems, the best known are of course the heat and/or smoke detectors, which quickly raise the alarm in the event of a fire. CERN has 8500 of

these devices in total. In combination with these, evacuation alarms are also found all over the which is then connected to a transmission unit. From here, the information – for example, which type of alarm has been activated in which building – is transmitted to the Fire Brigade's Safety Control Room (SCR) and to the CERN Control Centre (CCC). "The information is transferred via two channels," explains Henrik Nissen. "The first channel is a basic electrical (wire) network which, by its very nature, ensures a very high level of reliability. The second channel is a computer network which, although it allows more precise information to be transferred, is not as reliable as the first." All of the alarms essential for the safety of people and equipment (level 3 alarms), as well as vital technical alarms (for cryogenics, for example) always use both channels. This redundancy ensures that the information is transmitted whatever happens.

On the maintenance side, each of the 11,000 level 3 alarms is tested every year. This is a mammoth task which requires the expertise of seven people working full time in close cooperation with CERN's Fire Brigade.

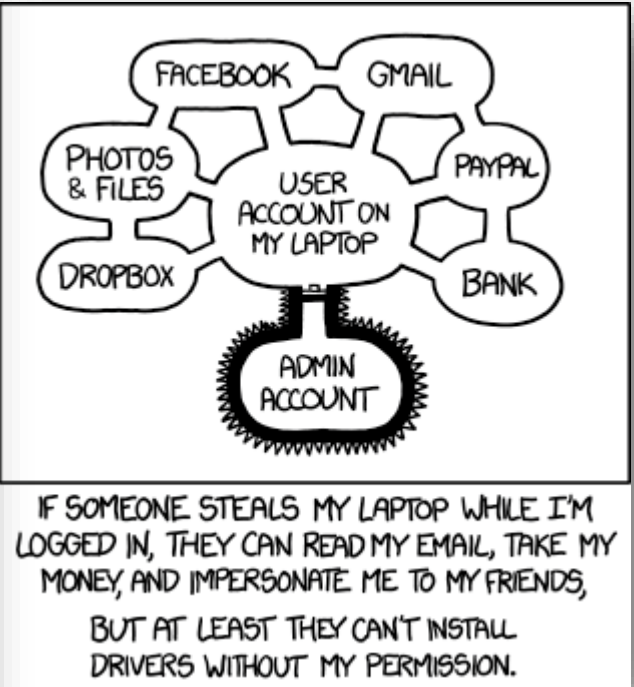


The test platform for detecting gas (including ODH). The bottles at the bottom of the image contain different types of gas used for tests.



The Fire Brigade's Safety Control Room, which receives level 3 alarms.





Overall Rank		Item	Percentage		2010 Price Ranges
2010	2009		2010	2009	
1	1	Credit card information	22%	19%	\$0.07-\$100
2	2	Bank account credentials	16%	19%	\$10-\$900
3	3	Email accounts	10%	7%	\$1-\$18
4	13	Attack tools	7%	2%	\$5-\$650
5	4	Email addresses	5%	7%	\$1/MB-\$20/MB
6	7	Credit card dumps	5%	5%	\$0.50-\$120
7	6	Full identities	5%	5%	\$0.50-\$20
8	14	Scam hosting	4%	2%	\$10-\$150
9	5	Shell scripts	4%	6%	\$2-\$7
10	9	Cash-out services	3%	4%	\$200-\$500 or 50%-70% of total value

Item	Bulk Prices Observed	Unit Price
Credit card information	10 credit cards for \$17	\$1.70
	100 credit cards for \$100	\$1.00
	1000 credit cards for \$300	\$0.30
	750 credit cards for \$50	\$0.07
Credit card dumps	101 dumps for \$50	\$0.50
Full identities	30 full identities for \$20	\$0.67
	100 full identities for \$50	\$0.50

Number	Type	Name	Country	City	Phone	Mail	DOB	Price	Select
372845	AMEX	Charles S	US	...	Y	N	Y	40\$	<input type="checkbox"/>
528713	MasterCard	Christopher B	US	...	Y	N	Y	40\$	<input type="checkbox"/>
645450	DISCOVER	Eric Kelly	US	...	Y	N	Y	40\$	<input type="checkbox"/>
371527	AMEX	Eric	US	...	Y	N	Y	40\$	<input type="checkbox"/>
646880	DISCOVER	Eric	US	...	Y	N	Y	40\$	<input type="checkbox"/>
651920	DISCOVER	Eric	US	...	Y	N	Y	40\$	<input type="checkbox"/>
645857	DISCOVER	Eric	US	...	Y	N	Y	40\$	<input type="checkbox"/>
371198	AMEX	Eric	US	...	Y	N	Y	40\$	<input type="checkbox"/>
534246	MasterCard	Eric	US	...	Y	Y	Y	40\$	<input type="checkbox"/>
371726	AMEX	Eric	US	...	Y	N	Y	40\$	<input type="checkbox"/>
537161	MasterCard	Eric	US	...	Y	N	Y	40\$	<input type="checkbox"/>
447639	VISA	Eric	US	...	Y	N	Y	40\$	<input type="checkbox"/>

PLASTIQUE SHOP

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Sort

NAME	TYPE	NUMBER	CV2	EXP	Co.	Addr1	City	State	ZIP	Country	\$	
Vernon *****	Visa	443460*****	***	11/2013		** Charles Street	Kew	VIC	Victoria	Australia	6\$	+0.4\$ show check
wille *****	VISA	413821*****	***	09/2012		**** old columbia pike #****	silver spring	MD		United States	2\$	+0.4\$ show check
Tony ****	AMEX	377232*****	****	10/2015		**** Rock Meadow Cir	High Point	NC		United States	6\$	+0.4\$ show check
Beth *****	VISA	479370*****	***	02/2015		*** N East St	Carlisle	PA		United States	3\$	+0.4\$ show check
LB *****	Visa	423954*****	***	10/2013		** Fairlie Street	Mount Gambler	SA	South Australia	Australia	6\$	+0.4\$ show check

http://securityresponse.symantec.com/en/ca/threatreport/topic.jsp?id=fraud_activit_y_trends&aid=underground_economy_servers



Date: Fri, 5 Sep 2008 15:53:42 -0700
From: Webmail IT Service <sandraward@charterinternet.co.uk>
Reply-To: webITService@live.com
To:
Subject: Important: Email Account Verification Update

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This message is from the Webmail IT Service messaging center due to an unusual activities identified in your webmail account. To verify your webmail account by confirming your Webmail account information, please click on the link below.

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We recently noticed one or more attempts to log in to your PayPal account from a foreign IP address and we have reasons to believe that your account was hijacked by a third party without your authorization. If you recently accessed your account while traveling, the unusual log in attempts may have been initiated by you.

If you are the rightful holder of the account you must **click the link below** and then complete all steps from the following page as we try to verify your identity.

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Salsa lessons

0 replies 0 ratings



Hi, I am looking for a partner either male or female to attend salsa lessons. I have a great body and enjoy rubbing it against other people on the dance floor. I would consider dinner after with the right person. If you think you can keep up with me and enjoy getting sweaty send me a reply.

Stay sexy,



#mktothers


3 hours ago ☆☆☆☆☆ | 0 Reply ...

Wed 24/06/2015 14:09

Emilie M Bogart <Emilie.Bogart@jiscs.com>

RD78 Collaboration Meeting June 29/30 2015, Jones Institute, 1st announcement

To: Stefan Lueders

 You replied to this message on 24/06/2015 15:07.

[Click here to download pictures.](#) To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

Dear Collaborator:

On the last meeting in Amsterdam we decided to have the next RD78 Collaboration meeting at Jones Institute. The date is now fixed (as we proposed in Amsterdam)

time:
Monday, June, 29. and Tuesday, June, 30. in 2015

location:
CERN, 1211 Geneva 23, Switzerland

For the Collaboration meeting you find the following information:

accomodation:
Do a reservation at the CERN hostel and send mail to Emilie.Bogart@jiscs.com
or look into our web-page to find a list of other hostels
in Geneva or France.

further information.
<http://RD78.JISCS.COM/RD78/RDCERN45252GL.PDF>

Please inform us, wheather you attend the meeting, and if you like to report a topic
or want to have it discussed.

In case you are missing a colleague on this mailing list, please forward it and
let us know about the missing address, to be included in the list in future.

Network analysis report - 2015

Marina.Koritsidou <Marina.Koritsidou@perrydale.com>

Thu 07/09/2015 15:46 PM

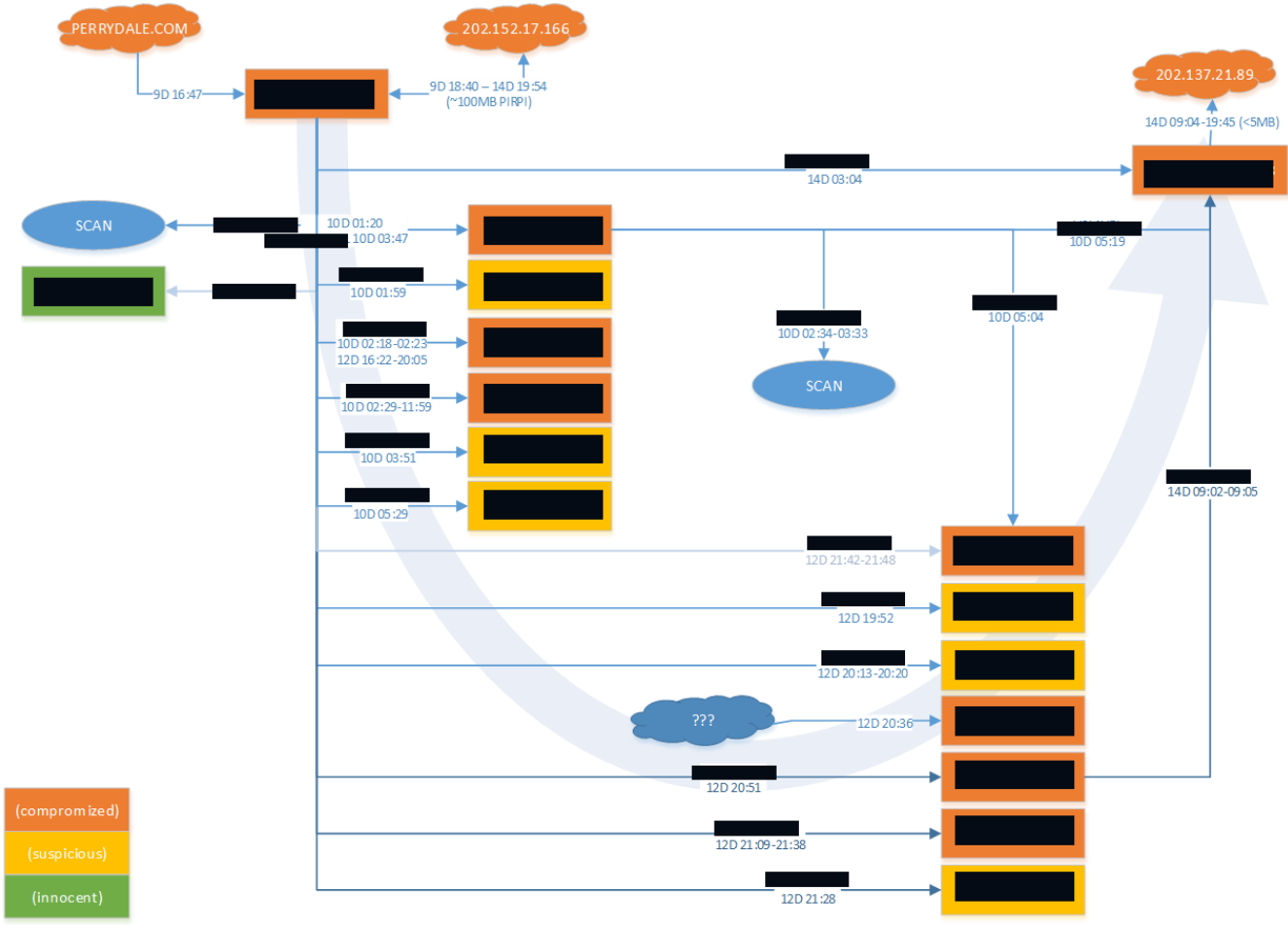
To: 

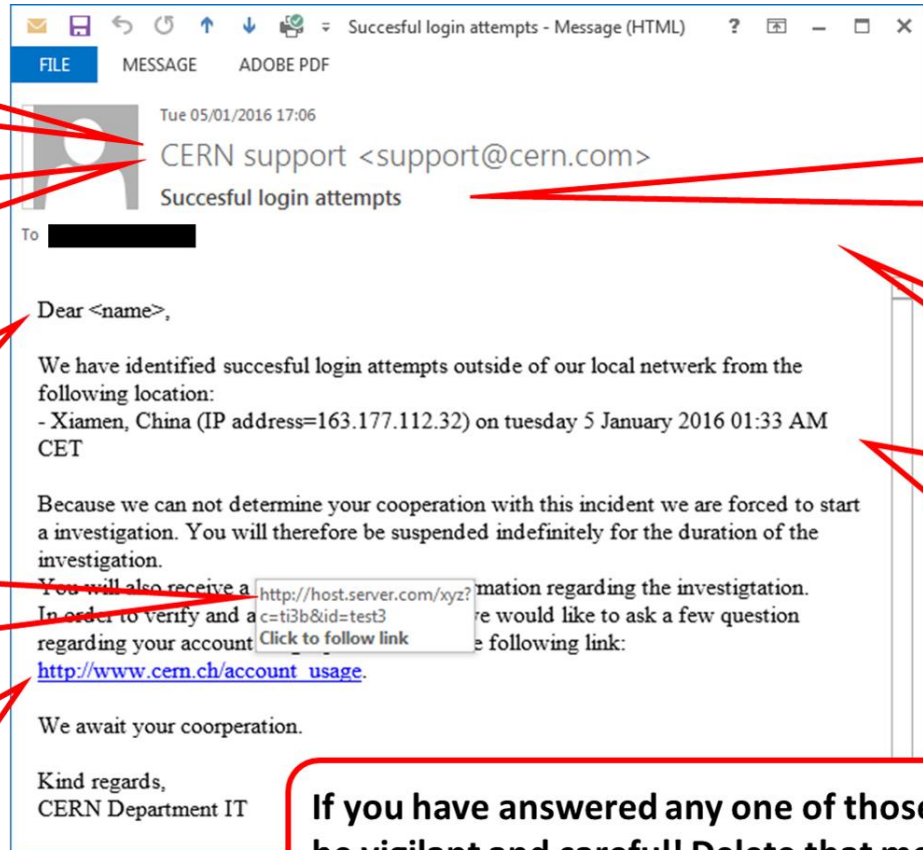
Dear.

Network analysis report - 2015.07

<http://Report.PerryDale.com/en/FAR201507.pdf>







Is the sender familiar to you?

Does the sender's name correspond with the shown e-mail-address?

Is the message addressed to you?

Hover your mouse pointer on top. Does the text correspond with the link?

Does the link look reasonable, is not too complex or unreadable?

Does the message concern you?
Is it one of your businesses?

Is the message signed ()?

Is the message correctly phrased, without blunt typos, in a language you are able to comprehend?

If you have answered any one of those questions with "NO" be vigilant and careful! Delete that message or check with us at Computer.Security@cern.ch when in doubt.



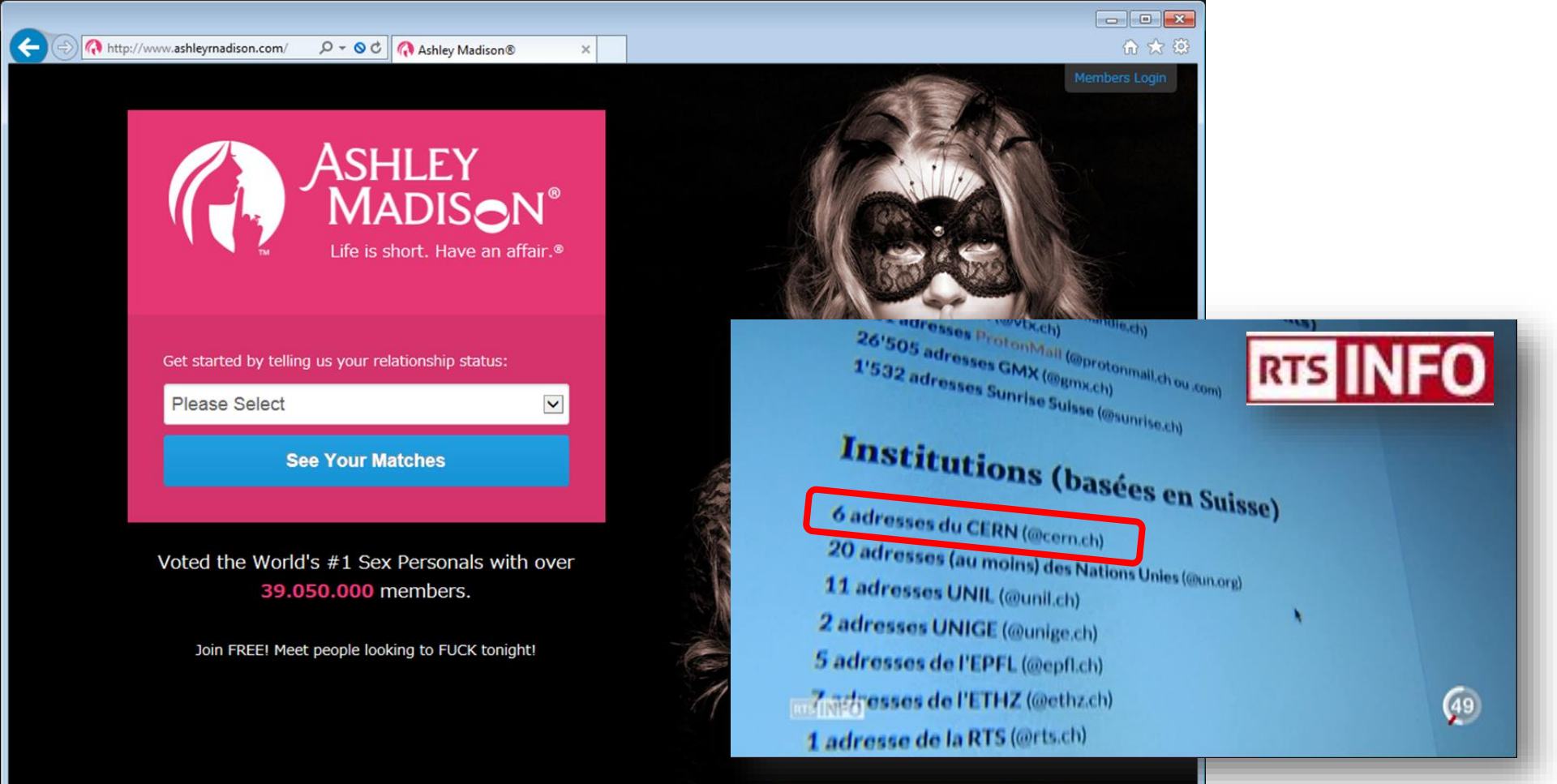
Mandate:

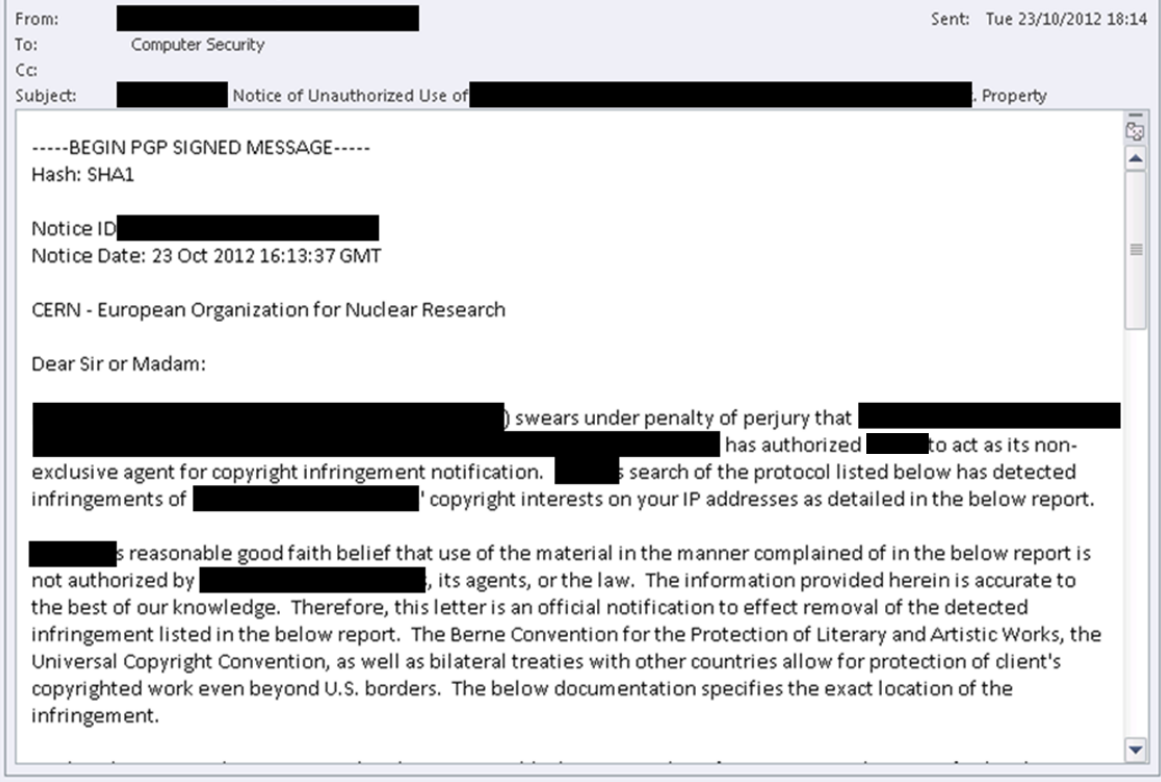
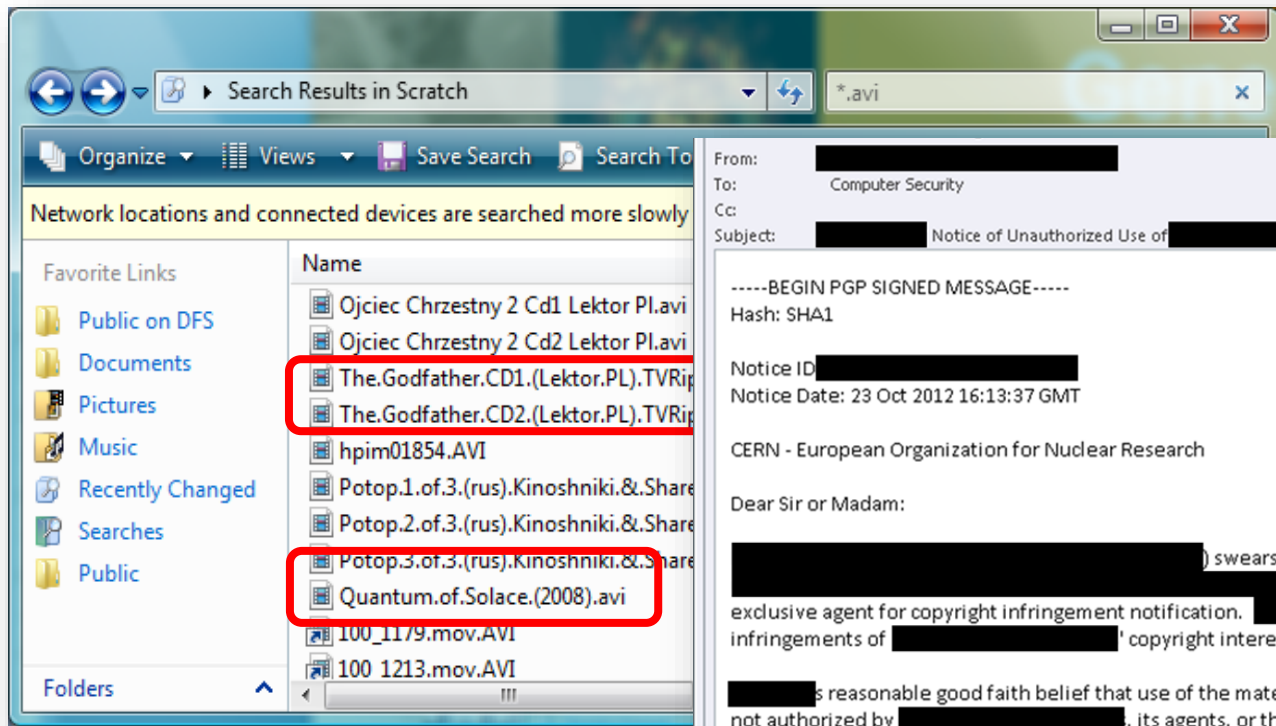
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Protecting CERN's Reputation







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Name:	[REDACTED]
Position:	Group Head [REDACTED]
Phone/E-Mail:	+41 22 76 [REDACTED]@cern.ch



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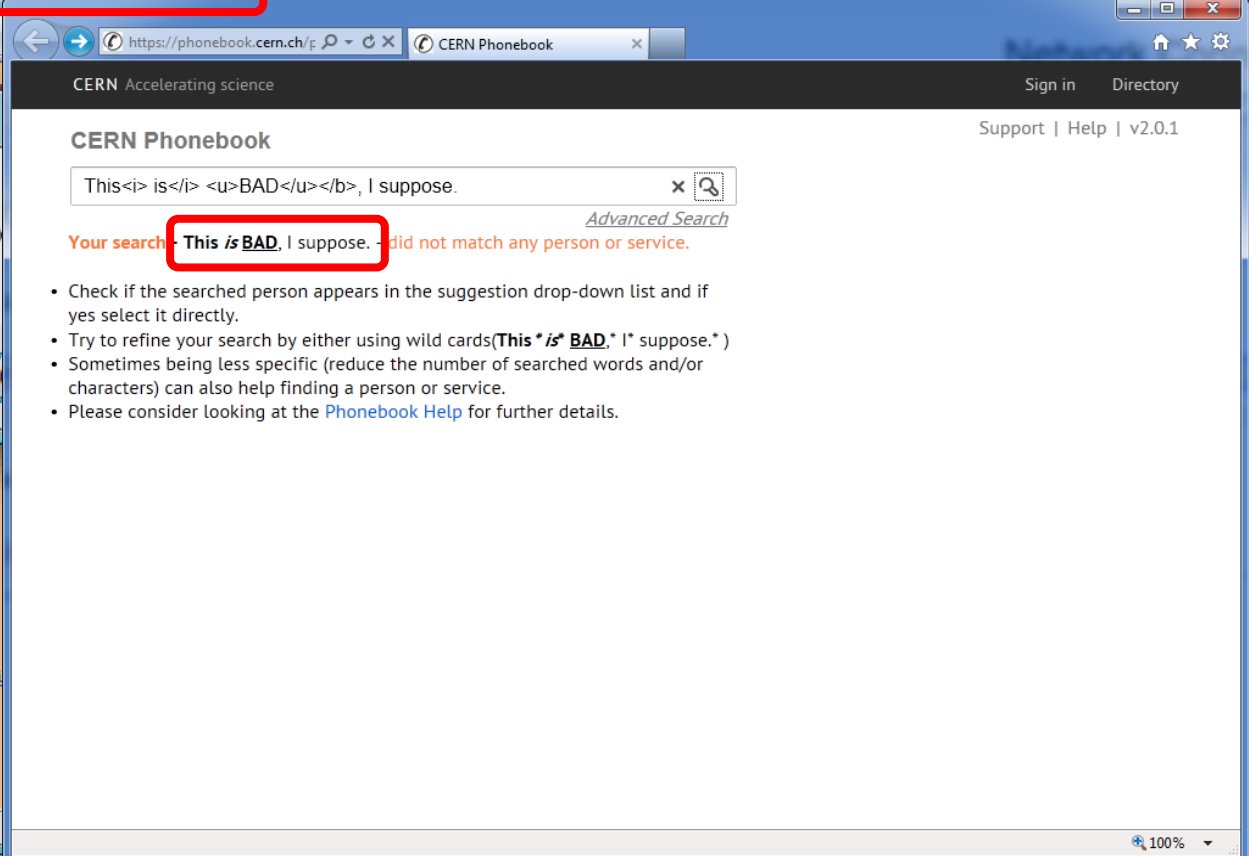
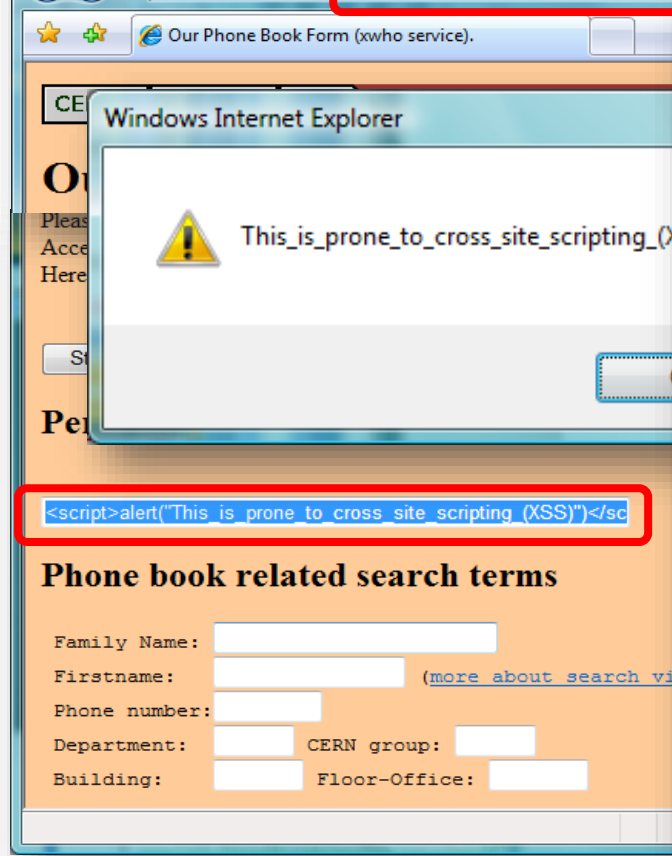
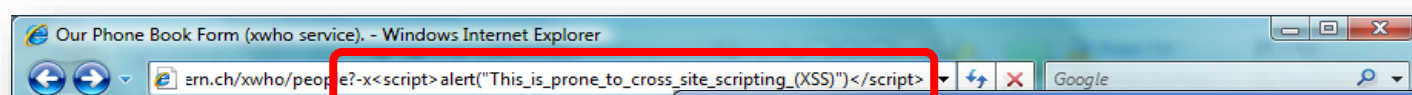
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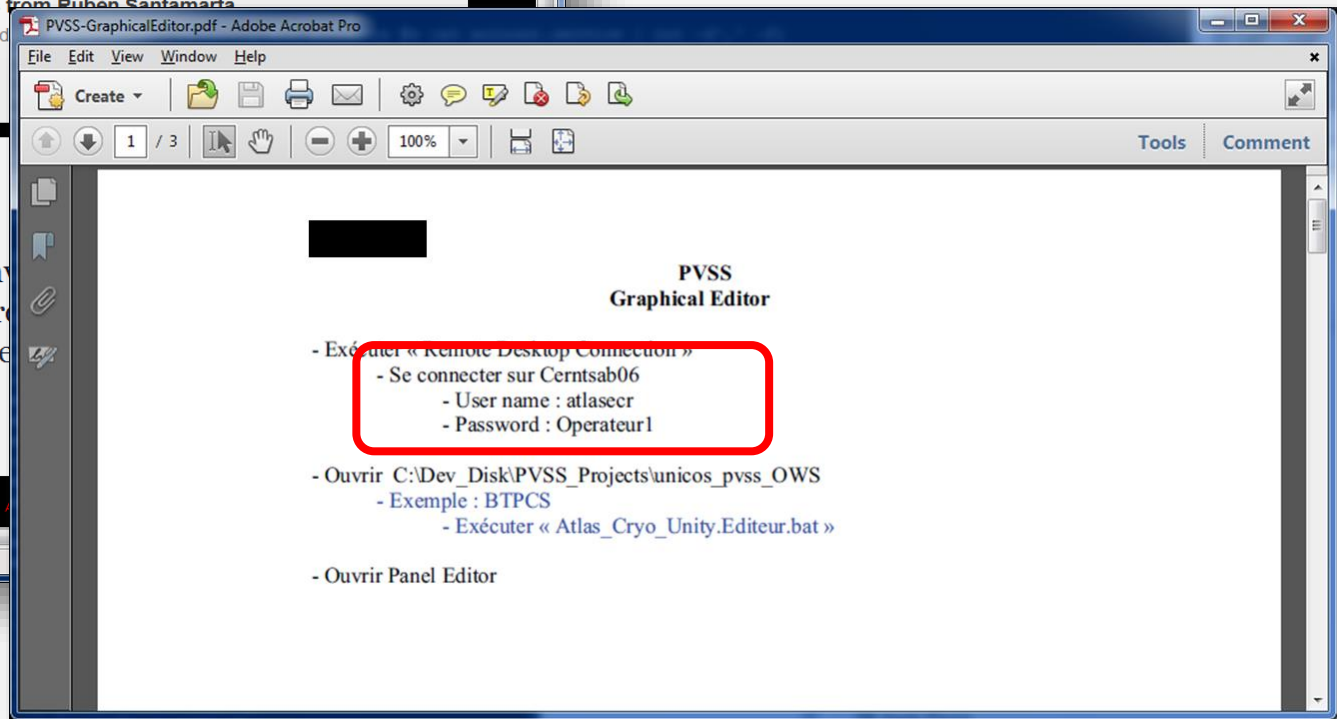
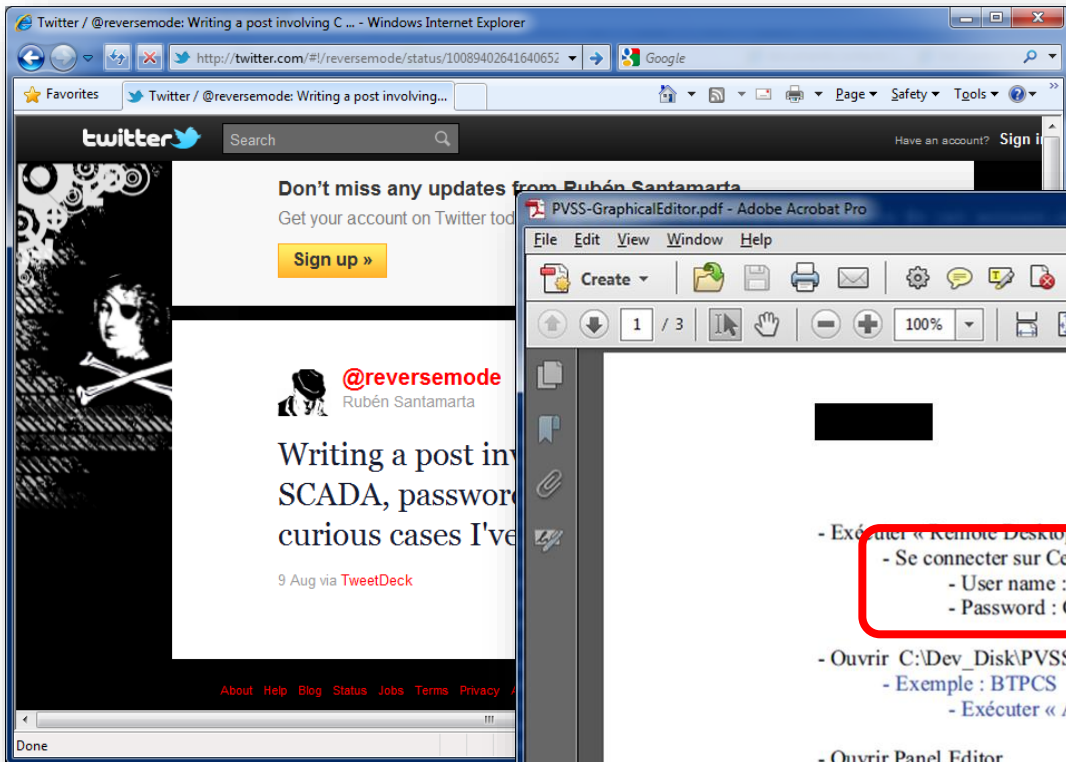
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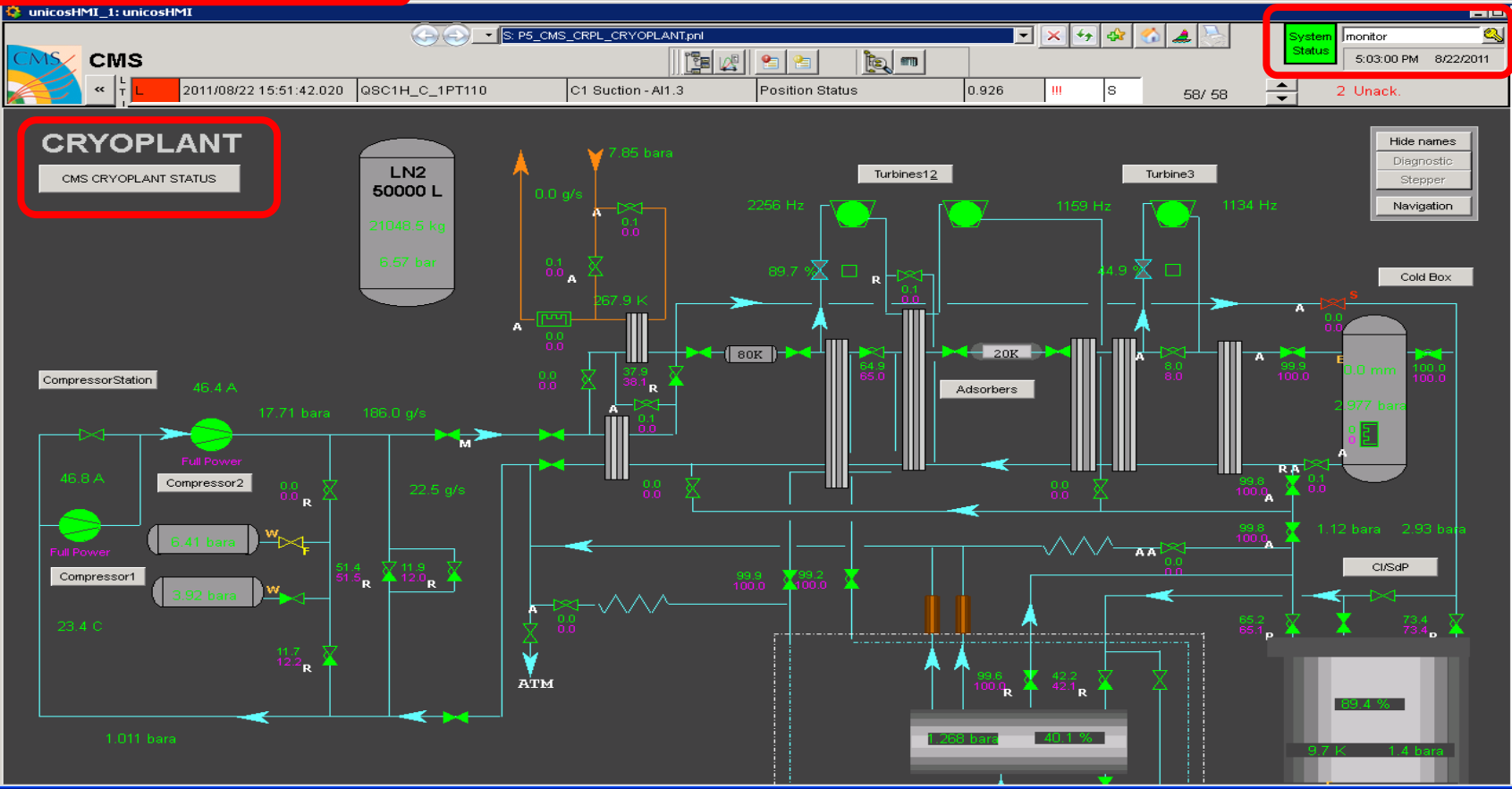






Windows taskbar and desktop icons:

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- ATLAS Cryo Operation
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- Launch Inter...
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- cms
- Shortcut to SM18
- Server Space OD
- Calculator
- fwTrending...
- Supervision Experiences



**With (academic) freedom at home and at CERN:
You are responsible for securing your assets!**

**Don't share your passwords.
Make it complex: e.g. "a**2+b^2==sqr(c)"**

**Keep your devices up-to-date.
Install anti-virus software.
Encrypt!!!**

**Stop! — Think! — Don't Click!
Chrome is better.
Consider "privacy" plugins.**

**Don't reinvent the wheel:
Use existing services!**

**Be reasonable.
Respect the rules!**

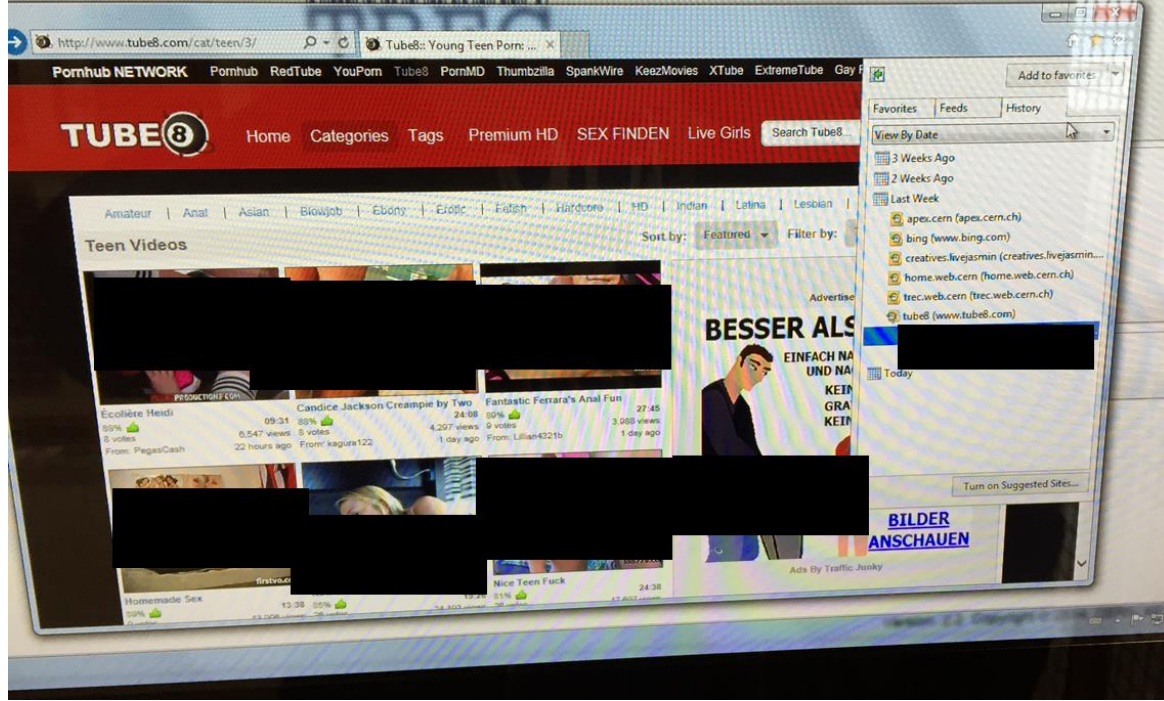


**Ask an expert,
get a book, or
train yourself!**



Welcome to TREC

Traceability of Radioactive Equipment at CERN





Computer security emergency contact
✉ **Computer.Security@cern.ch** ☎ **70500**
Contact en cas d'incident de sécurité informatique

<http://cern.ch/security>





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