

Digital Security Awareness using Gamification

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Digitalization

- Ranks 1st in entire Europe
- Ranks 3rd in entire World



Source : <https://www.imd.org/wcc/world-competitiveness-center-rankings/world-digital-competitiveness-rankings-2019/>

Digital Security

- 20th rank in entire Europe
- 32nd rank in entire World

Europe region

Member State	Score	Regional Rank	Global Rank
United Kingdom	0.931	1	1
France	0.918	2	3
Lithuania	0.908	3	4
Estonia	0.905	4	5
Spain	0.896	5	7
Norway	0.892	6	9
Luxembourg	0.886	7	11
Netherlands	0.885	8	12
Georgia	0.857	9	18
Finland	0.856	10	19
Turkey	0.853	11	20
Denmark	0.852	12	21
Germany	0.849	13	22
Croatia	0.840	14	24
Italy	0.837	15	25
Austria*	0.826	16	28
Poland	0.815	17	29
Belgium	0.814	18	30
Hungary	0.812	19	31
Sweden*	0.810	20	32
The Republic of North Macedonia	0.800	21	34
Switzerland	0.788	22	37
Ireland	0.784	23	38

Source : Global Cybersecurity Index 2018

There are only two systems in the world

One that is attacked

The other waiting to be attacked



FindIT's Target Group

SMEs (Små och medelstora företag)

Backbone of Sweden



Class size	Number of enterprises			Number of persons employed			Value added		
	Sweden		EU-28	Sweden		EU-28	Sweden		EU-28
	Number	Share	Share	Number	Share	Share	Billion €	Share	Share
Micro	683 703	94.6 %	93.1 %	803 041	24.6 %	29.4 %	52.5	22.1 %	20.7 %
Small	32 613	4.5 %	5.8 %	721 013	22.0 %	20.0 %	45.1	19.0 %	17.8 %
Medium-sized	5 725	0.8 %	0.9 %	618 264	18.9 %	17.0 %	44.3	18.7 %	18.3 %
SMEs	722 041	99.9 %	99.8 %	2 142 318	65.5 %	66.4 %	141.9	59.7 %	56.8 %
Large	1 038	0.1 %	0.2 %	1 128 078	34.5 %	33.6 %	95.7	40.3 %	43.2 %
Total	723 079	100.0 %	100.0 %	3 270 396	100.0 %	100.0 %	237.6	100.0 %	100.0 %

Source: 2018 SBA Fact Sheet -European Commission

Facts

- SME's are considered as soft targets.
- Nearly half of all cyberattacks are committed against small business
- 60 % of small companies that suffer a cyberattack are out of business within 6 months
- Top security concerns are targeted phishing attacks on employees, advanced persistent threats, ransomware, denial-of-service attacks and social engineering
- CISCO says that small companies are inclined to pay the ransoms , so that they can quickly get back to normal operations after a ransomware attack.

Krypto miljon

Av **FINWIRE**
Publicerad: 09 juli 2018

Ett kryptovirus har dragit in miljoner i senaste två åren

NYHETER sön 29 apr 2018

hand ha varit "perversa", enligt en expert.

3,998 views | Mar 30, 2018, 10:15am

Boeing Is The Latest WannaCry Ransomware Victim



Lee Mathews Contributor
Security

The alarm bells were blaring this week at Boeing. In the early hours Wednesday morning, computers on the aerospace giant's network were being attacked by the WannaCry virus.



01:35. Målet för den virusattack som drabbat datorer över hela världen tycks främst ha varit Ukraina, enligt säkerhetsexperter. De första rapporterna om problem kom från banker i Ukraina, Kiivs största flygplats och ett stort ryskt oljebolag.

UPPDATERAD 2017-06-28 PUBLICERAD 2017-06-28

Även tisdagens världsomspännande it-attack mot företag och organisationer ska ha genomförts med

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Solution

- We have to invest our time, money and resources to deal with cyber security
- Above all educate Humans, who are responsible for the 90% of the cyber attacks.
- Humans are the First Line of Defence in a organisation. We have to make them strong and aware to avoid cyber attacks by Education and training
- The best way to help SMEs to avoid cyber attacks is to provide cyber security awareness training to its employees.

Existing Solution for Cyber Security Awareness

Give a Presentation or Lecture



Online course - watch videos and answer questions



FindIT's Solution

Gamification

Gamification is taking what's fun about games and applying it to situations that maybe aren't so fun.

At its core, gamification is about engaging people on an emotional level and motivating them to achieve their goals

Elements in a Game

- Use Visual Aids
- Keep Training Short and to the Point
- Infuse Fun
- Use Rewards
- Know the Audience
- Ensure That Training is Ongoing



Process

- Currently FindIT is in a process of gathering information from SMEs within the its network regarding their needs and current status about its Cyber Security.

Take Aways .

- Its time to take cyber security as a high priority need.
- Encourage a cyber culture in your organization
- Follow best practise inside the working enviroment.
- Work as a team to fight againt cyber crime
- Security by design
- Constant Learning

Thanks for your time

Please feel free to contact me or the findIT team

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