CARBON FOOTPRINT OF DIGITAL SOLUTIONS

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VINCIT

AGENDA FOR TODAY

- Carbon emissions in digital industry and challenges in measuring
- Carbon footprint calculation of International Biathlon Union's app & website
- How can digital companies like Vincit decrease digital carbon footprint?



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VINCIT IN NUMBERS

VINCIT AFTER THE MERGER (1.7.2022)

2007

FOUNDED

~850

EMPLOYEES

20%

WOMEN

2016

FIRST NORTH

450+

CUSTOMERS

30

NATIONALITIES

BILOT

VINCIT

2021 TOTAL

27.0

REVENUE (M€)

61.5

REVENUE (M€)

88.5

REVENUE (M€)



IT'S DIGITAL, SO IT'S SUSTAINABLE - RIGHT?



Potential for 15% reduction in global emissions

Digital technology can create large positive handprint and help reduce carbon emissions by **up to 15**% in other sectors



While creating up to 5% of global emissions

1,5 percent to 5 percent of global greenhouse gas emissions (compared to 2% for aviation industry)

DIGITAL SOLUTION FOR BIATHLON FANS



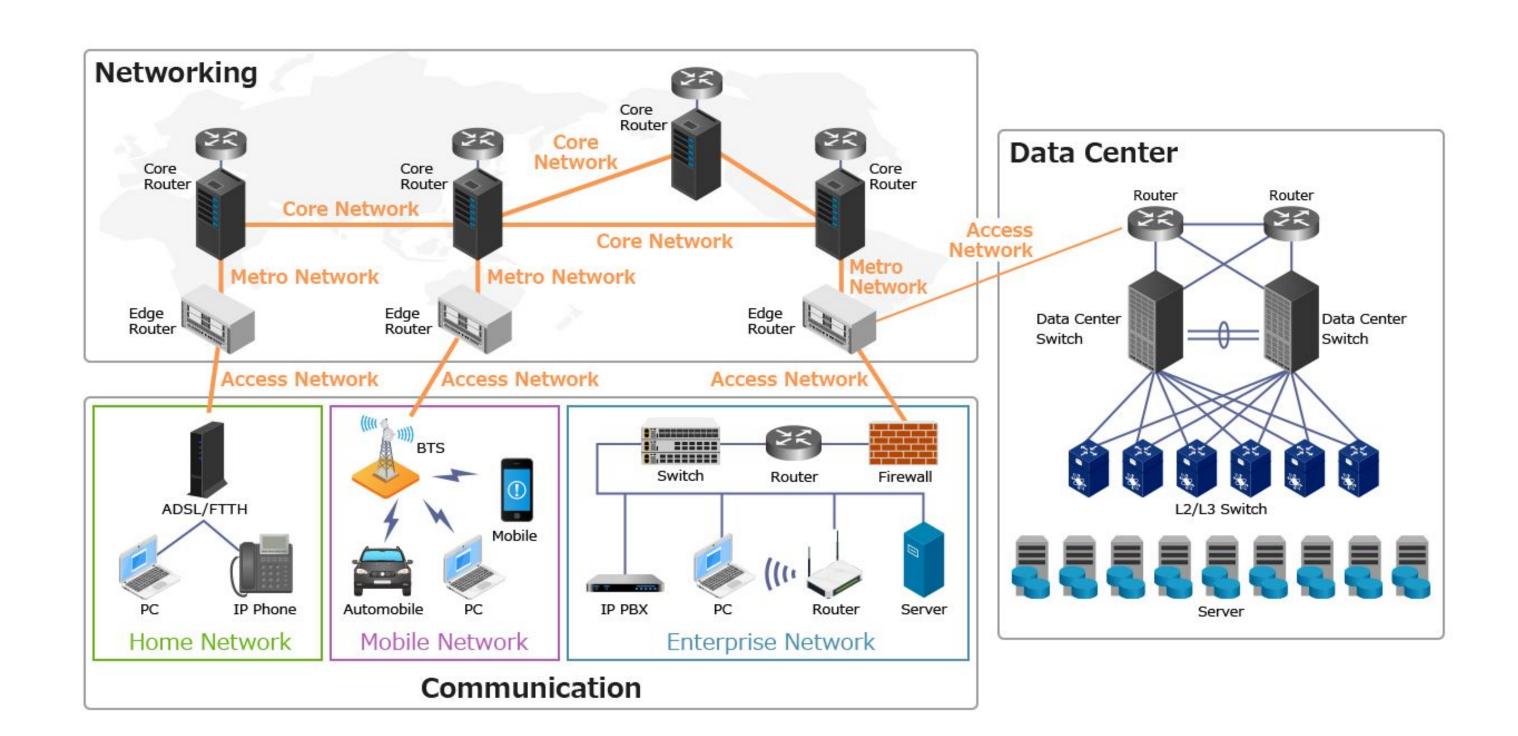
1,2 million unique monthly users during winter season

150 000 registered mobile & web users

Over 200 annual competitions with live streaming data

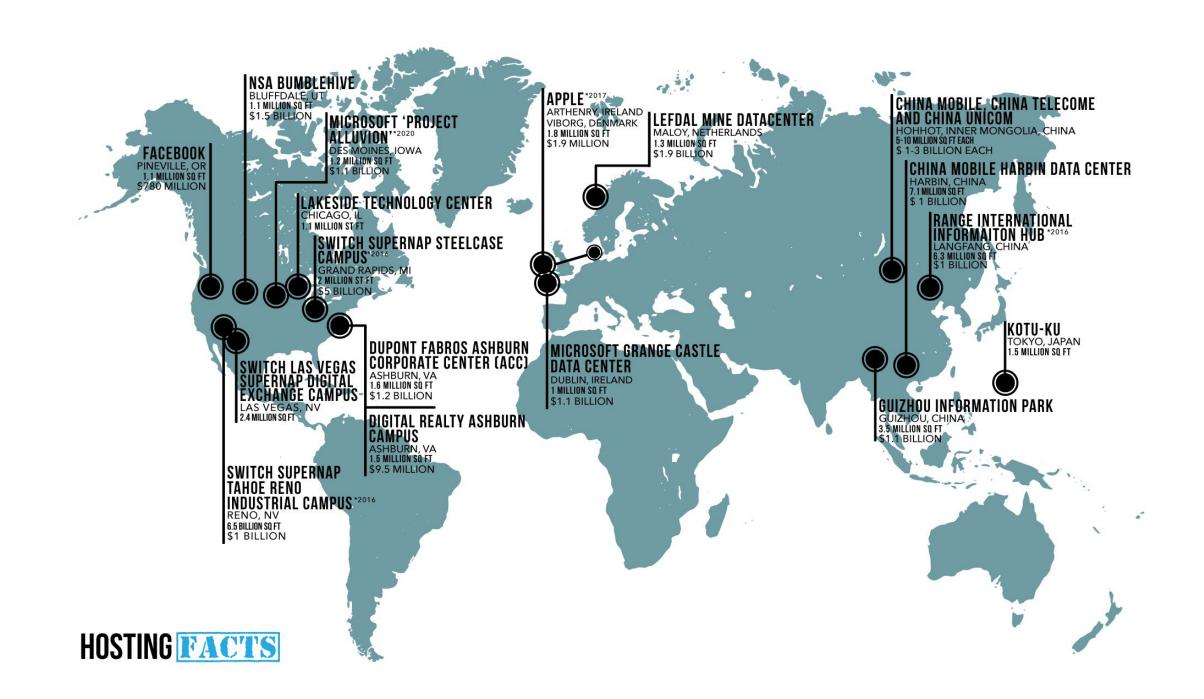
CARBON EMISSIONS IN THE DIGITAL INDUSTRY

Digital emissions are caused by electricity needed to run infrastructure and data transfer and emissions from manufacturing of physical devices



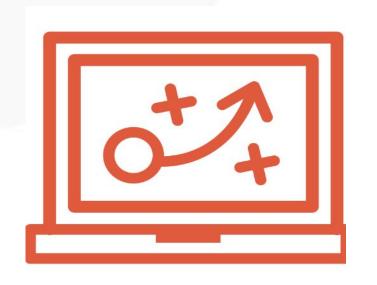
MEASURING DIGITAL EMISSIONS IS CHALLENGING

- Calculation was done together with carbon footprint consultancy **UseLess Company**
- Data transfer happens in data centres in different countries
- Cloud architecture combining several
 SaaS-services makes data collection a challenge
- Only few companies publish information on how the energy used for data transfer & storage is produced





WHAT DOES THE CARBON FOOTPRINT LOOK LIKE?



App & website built by Vincit

9600 kg CO2 / year



Finnish
person's carbon
footprint / year



15 000 km with petrol driven car



TIPS TO MINIMIZE DIGITAL CARBON FOOTPRINT

Developers of digital services



Calculate carbon footprint of services



Design lean architecture and solutions



Optimize asset sizes and capacity



Switch to renewable cloud services



Involve your partners and share carbon data

Users of digital services



Switch mobile network to WiFi



Switch to renewable electricity



Upgrade devices less often and remember to recycle

THANK YOU<3



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