

## Cyber-secure behaviour in linked industrial environments

### Scope

How can something as simple as opening an attached file with malicious content lead to the entire production of a firm suddenly ending up in the hands of a hacker?

Most people use digital technology at work today, in one way or another, and that means there are risks that everyone needs to face, regardless of their role.

Industrial automation has been rapid and today many processes are controlled and monitored digitally. Equipment can be linked to the company's other systems to help industry become more efficient. Unfortunately, this linking also makes it easier for whoever wants to carry out a cyber attack that could impact on the firm's safety as well as production.

The purpose of this guide is to increase awareness of cyber security among those working in an industrial environment and to give an understanding of the risk behaviour that can lead to incidents and dangerous situations. The guide is especially aimed at those who are not yet familiar with cybersecurity issues.



## Contents

<b>1</b>	<b>Why is cybersecurity important in linked industrial environments?</b>	3
1.1	What does an attack involve?	4
1.2	This is how a cyberattack can take place.	5
<b>2</b>	<b>What is OT?</b>	5
<b>3</b>	<b>Risks and vulnerability</b>	6
3.1	The human factor	6
3.2	Shared systems	7
<b>4</b>	<b>What can be done to protect yourself?</b>	8
4.1	Contribute to an open and permissive culture	8
4.2	Always be wary of the source – check the sender	9
4.3	Protect company information	10
4.4	Store information properly	11
4.5	Follow procedures for access	12
4.5.1	Permissions	13
4.5.2	Sensitive environments	13
4.6	Act correctly outside the workplace	14
4.7	Support new employees	15
4.8	Follow security procedures	16
4.9	Use approved equipment	17
<b>5</b>	<b>When things go wrong</b>	18
<b>6</b>	<b>At an organisational level to protect the business</b>	19
<b>7</b>	<b>Real-life examples</b>	20
7.1	Norsk Hydro	20
<b>8</b>	<b>Tips for those who want to know more</b>	21
<b>9</b>	<b>Terminology</b>	22