



## **EXERA IN A FEW WORDS...**

**January 2022**



## **EXERA: 40 years servicing industry**

- **Born in 1974: 40+ years of cumulated experience...**
- **Association reserved to companies operating measurement and regulation equipment/devices, or automation**
- **Around thirty members in France**
- **Aims of the association:**
  - **Exchanging and sharing experiences among members**
  - **Evaluating equipment/devices and follow-up**
  - **Writing guides of good practices**
- **100+ experts active within the association**
- **A dozen active technical committees**



# Our members



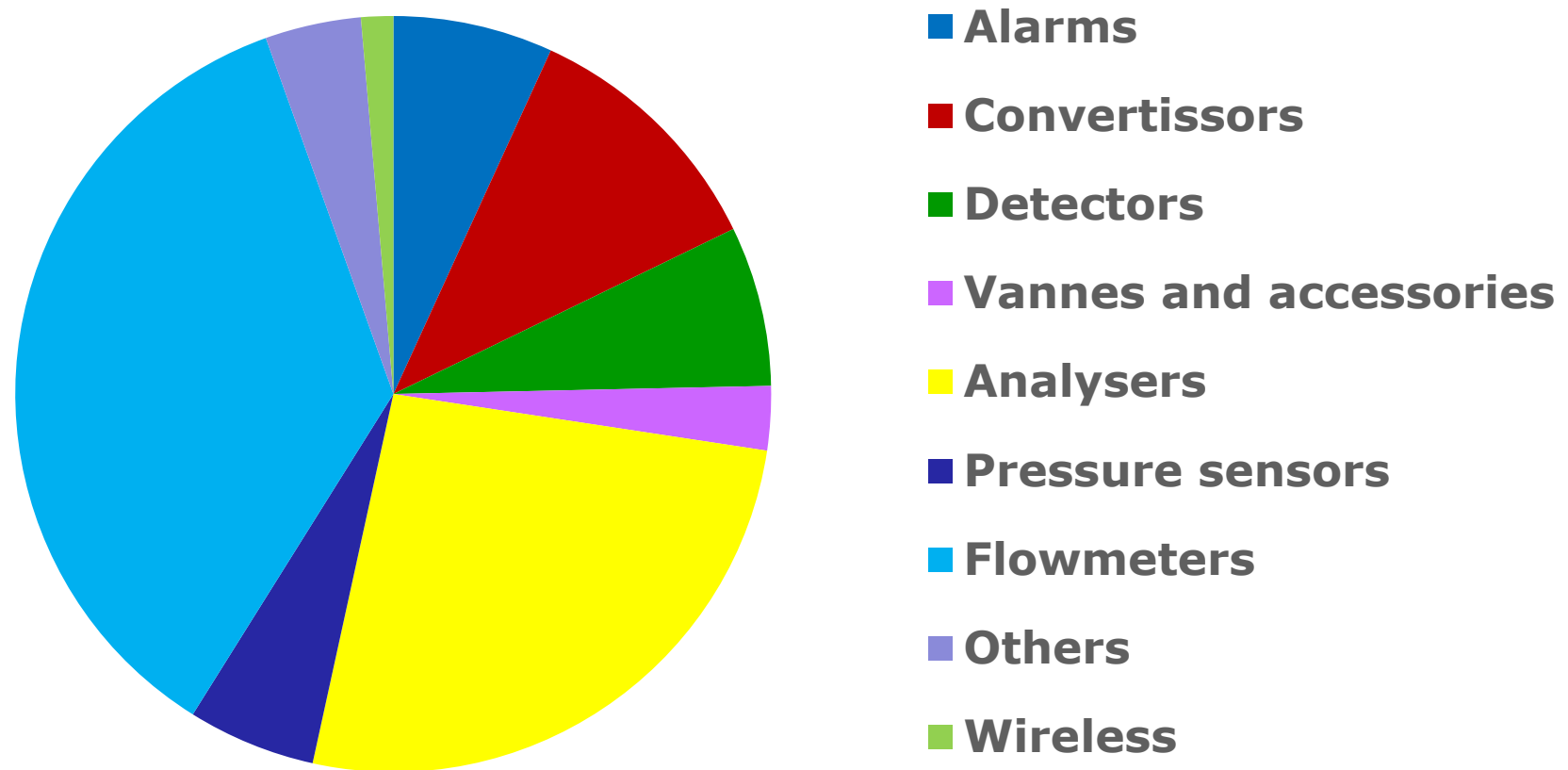
- **Around 120.000 EUR spent every year in studies contracted to laboratories**
- **With leverage (participation of suppliers, grants...), the amount allocated to studies reaches 140.000 EUR per year**
- **A rigorous process involving all the members to select the new projects of studies**
- **Strong links with the main independent laboratories entrusted to conduct the studies**
- **Restitution of committees' activities through one to two technical days a year**
- **Manufacturers Days organized with the major manufacturers such as Schneider Electric, Siemens, Rockwell Automation...**
- **Cooperation and exchanges with equivalent organisms in UK, Germany, the Netherlands and Italy**

## Ten active technical commissions

- |  |            |
|--|------------|
| ▪ Safety Instrumented Systems  | TC SIS     |
| ▪ Factory of Future  | TC EIF     |
| ▪ Cybersecurity of Industrial Systems                                    | TC CIS     |
| ▪ Control and monitoring system, Supervision, Simulation and Programming | TC 3SP     |
| ▪ Measure, New Technologies  | TC MNT     |
| ▪ Flow Measurement - Level Measurement                                   | TC DEB-NIV |
| ▪ Remote Sensing and Thermography  | TC TD-TG   |
| ▪ Industrial Transmitters and Networks                                   | TC TIR     |
| ▪ Industrial Analyzers / Detection and Safety                            | TC AI-DS   |
| ▪ Maintenance in Operational Condition                                   | TC MCO     |

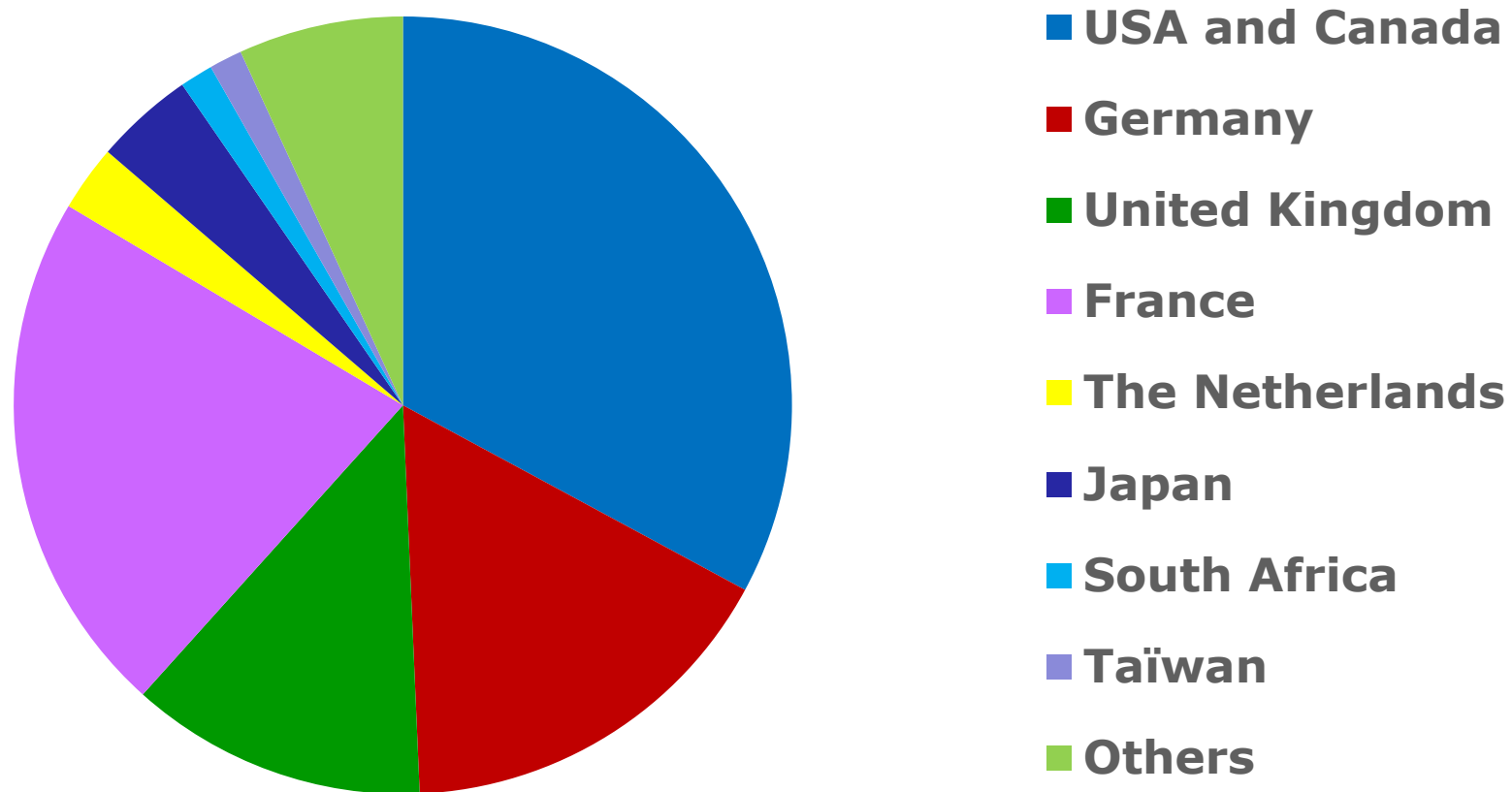
**Analysis of 73 evaluations conducted from 2008 to 2012  
by Evaluation International (UK), WIB (NL) and Exera (F)**

## Nature of tested devices



**Analysis of 73 evaluations conducted from 2008 to 2012  
by Evaluation International (UK), WIB (NL) and Exera (F)**

## Nationality of manufacturers



## Results from the reports' analysis

Analysis criteria	Results
Condition upon reception	7% of supplied devices defective
Compliance to claimed specifications	36% of devices non-compliant
Sensitivity to influence quantities	71% of devices out of specification
Reliability during tests	7% of devices broken or damaged during tests
Quality of technical documentation	59% of notices deemed incomplete



Technical commissions	Year 2021		Year 2020		Year 2019	
	Number of meetings	Average number of attendees	Number of meetings	Average number of attendees	Number of meetings	Average number of attendees
Safety Instrumented Systems	9	7,7	5	10,2	4	8,5
Factory of the Future	12	5,6	19	5,5	7	4,8
Cybersecurity of Industrial Systems	7	10,4	8	10,8	6	14,2
Control and monitoring system, Supervision, Simulation and Programming	9	5,4	4	5,8	5	4,0
Measurement, New Technologies	7	6,1	7	5,3	4	5,3
Flow Measurement - Level Measurement	5	10,0	5	9,2	4	7,8
Remote Sensing and Thermography	9	4,3	5	8,2	2	4,5
Industrial Transmitters and Networks	6	5,3	6	6,5	5	4,6
Industrial Analyzers / Detection and Safety	6	6,5	8	5,9	5	6,2
Environnement - Air					2	5,0
Maintenance in Operational Conditions (MOC)	4	5,3	5	5,2	5	6,4
	74	6,5	72	6,9	49	6,3

# A large library of reports for our members...

The on-line library of reports is exclusively available to Exera members.

Reports are categorized in evaluations, selection guides, questionnaire and others.

Some reports come from work carried out under the supervision of the technical commissions of Exera and the CLUI, and also of Evaluation International (EI), a British association with which Exera is linked by a report exchange agreement.

## Period [2011 – 2021] : 250+ reports uploaded

### Breakdown of reports by nature and origin

Year	Total	Origin				Evaluation(s)				Selection guide				Questionnaire				Others			
		Exera	EI	WIB	CLUI	Exera	EI	WIB	CLUI	Exera	EI	WIB	CLUI	Exera	EI	WIB	CLUI	Exera	EI	WIB	CLUI
2011	44	22	16	2	4	15	5	1	2	1	2	0	0	2	0	0	0	4	9	1	2
2012	23	14	4	0	5	8	2	0	2	3	0	0	0	0	0	0	0	3	2	0	3
2013	19	7	9	2	1	2	7	0	0	0	1	0	0	1	0	0	0	4	1	2	1
2014	39	29	8		2	17	8		1	0	0		0	10	0		0	2	0		1
2015	23	12	8		3	12	5		2	0	1		0	0	2		0	0	0		1
2016	10	5	4		1	2	1		1	2	0		0	0	0		0	1	3		0
2017	18	16	2		0	11	2		0	3	0		0	0	0		0	2	0		0
2018	26	20	4		2	15	4		0	0	0		0	0	0		0	5	0		2
2019	34	28	6			23	0			2	0			0	0			3	6		
2020	14	6	8			6	5			0	3			0	0			0	0		
2021	21	21	0			16	0			1	0			0	0			4	0		

**CLUI:** Exera's Italian branch shut-down in December 2016

**WIB:** Dutch association

## Technical Day in 2021

**Cybersecurity of industrial systems**

**30 September à Paris**

**145 attendees, 15 speakers, 13 booths**

**Factory of the Future – Industry 4.0**

**24 November à Paris**

**65 attendees, 15 speakers, 7 booths**

## Technical Days planned in 2022

**Industrial Data and Factory of the Future**

**9 June in Paris**

**Cybersecurity of industrial systems**

**30 September in Paris**

# **Samples of recent activities...**

## **Period 2018-2021**

# Fixed Detectors of oxygen deficiency

Evaluation : 7 fixed detectors  
of oxygen deficiency

Initiating TC : TC AI-DS

Amount : 62 800 EUR HTVA  
of which third-parties : 19 800 EUR HTVA

Laboratory : INERIS

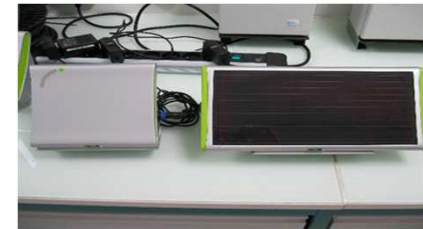
Manufacturers : Dräger, GE, Honeywell,  
MSA, Oldham, Servomex,  
Simtronics

Outcomes : 7 evaluation reports



**REPORTS RELEASED IN 2018**

Evaluation	: 5 ambient air quality monitoring systems
Initiating TC	: TC ENV-AIR
Amount of which third-parties	: 77 000 EUR HTVA : 5 000 EUR HTVA
Laboratory	: INERIS
Manufacturers	: Azimut Monitoring, Cairpol, Ecomesure, Environmental Instruments, Rubix S&I
Outcomes	: 5 evaluation reports



**REPORTS RELEASED IN 2018**

Subject : Field reviews of MOC companies for electronics equipment

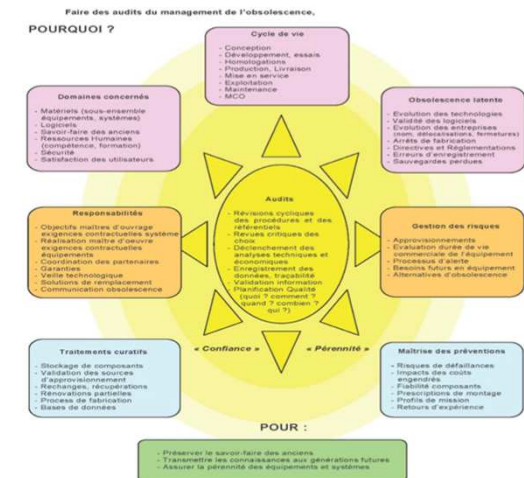
Initiating TC : TC MCO

Amount : 0 EUR HTVA

Author : Technical Commission

Audited companies : Adlc - Aeti – Aserti – Assystem – Cofiem – Elliot Informatique - Eolane – ID Rep – Pereneo Industechnic – MID Electronic – Tronico Rolls Royce Nuclear Services France

Outcomes : 13 reports on field reviews



**REPORTS RELEASED DURING 2014 - 2018**

Evaluation : 3 levelmeters

Initiating TC : TC DEB-NIV

Amount : 97 800 EUR HTVA  
of which third-parties : 16 000 EUR HTVA

Laboratory : CETIAT

Manufacturers : Endress+Hauser, Krohne,  
Vega Technique

Outcomes : 3 evaluation reports



**REPORTS RELEASED IN 2019**



Evaluation	: 3 flowmeters for low liquid flows
Initiating TC	: TC DEB-NIV
Amount of which third-parties	: 49 700 EUR HTVA : 10 200 EUR HTVA
Laboratory	: CETIAT
Manufacturers	: Bronkhorst, Flexim, Brooks Instruments
Outcomes	: 3 evaluation reports



**REPORTS RELEASED IN 2019**

Evaluation : 8 transmitters [0 – 1 barA]  
7 transmitters [0 – 100 barA]



Initiating TC : TC TIR

Amount : 141 100 EUR HTVA  
of which third-parties : 53 900 EUR HTVA



Laboratory : MESTRA

Manufacturers : ABB, Emerson,  
Endress+Hauser, Honeywell,  
Schneider Electric, Siemens,  
Yokogawa

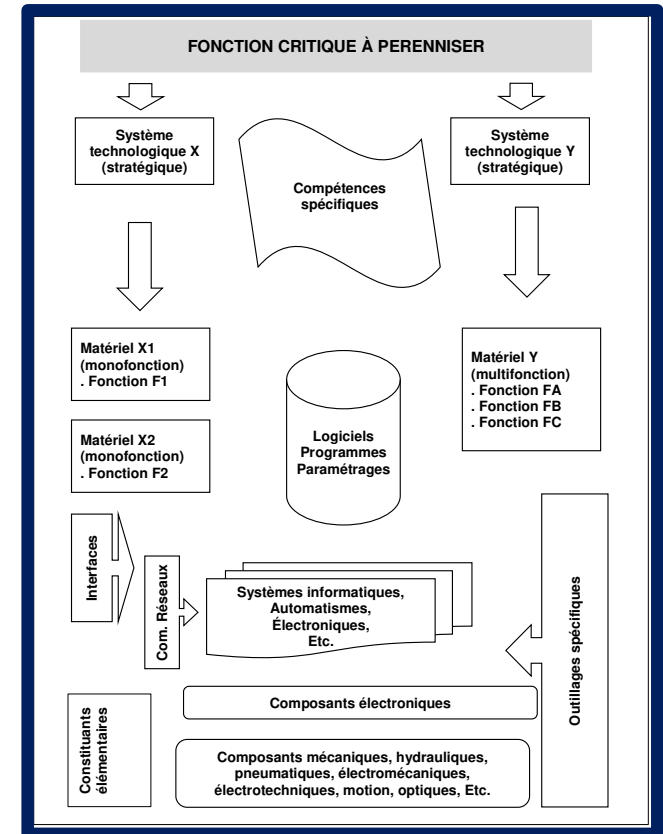


Outcomes : 17 evaluation reports



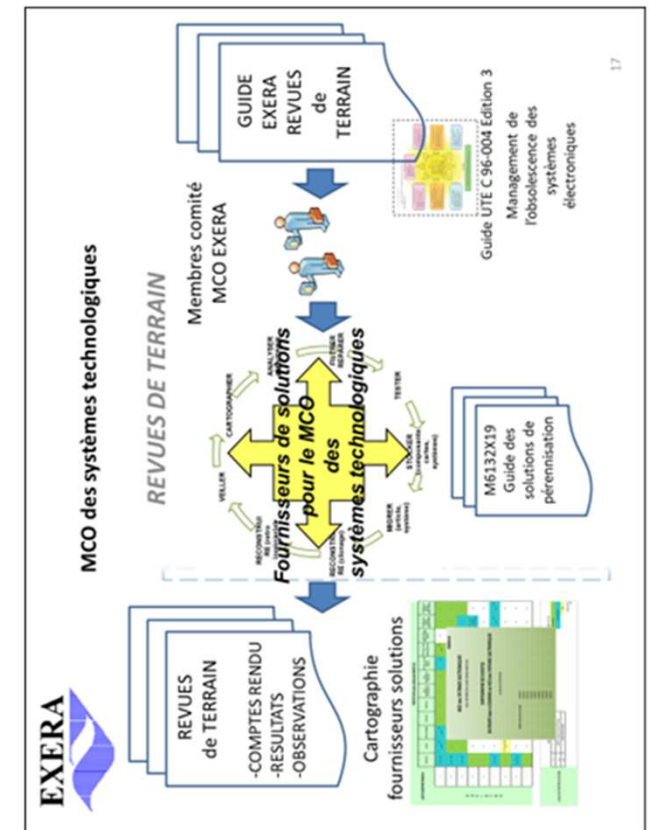
**REPORTS RELEASED IN 2019**

Subject	: Solutions for the sustainability of technological facing risks of obsolescence
Initiating TC	: TC MCO
Amount	: 0 EUR HTVA
Author	: Technical Commission
Manufacturers	: N/A
Outcome	: 1 guide



**GUIDE RELEASED IN 2019**

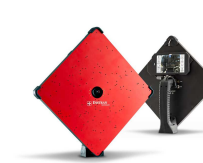
Subject	: Methodology updated to run field reviews on MOC service providers
Initiating TC	: TC MCO
Amount of which third-parties	: 0
Author	: Technical Commission
Manufacturers	: N/A
Outcome	: 1 guide



**GUIDE RELEASED IN 2020**

# Detectors of gas leaks by acoustical mean

Evaluation : 2 acoustical cameras  
6 acoustical detectors



Initiating TC : CT TD-TG

Amount : 31 600 EUR HTVA  
of which third-parties : 8 400 EUR HTVA



Laboratory : INERIS

Manufacturers : Distran, Fluke,  
Det-Tronics, Dräger,  
Honeywell, MSA,  
UE Systems (2 devices)



Outcomes : 8 evaluation reports



**REPORTS RELEASED IN 2021**

Evaluation : 8 Dataloggers

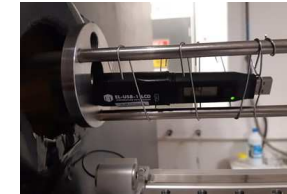
Initiating TC : CT MNT

Amount : 39 500 EUR HTVA  
of which third-parties : 0 EUR HTVA

Laboratory : CETIAT

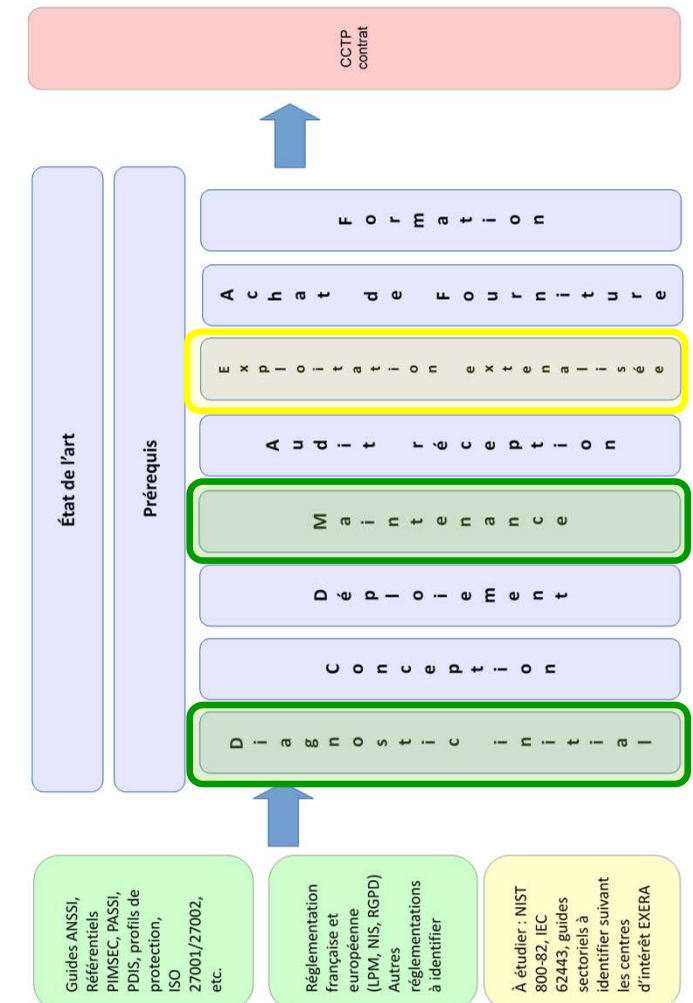
Manufacturers : Lascar Electronics (3 devices),  
LogTag, MESA LABS,  
TESTO, TMI, KIMO

Outcomes : 8 evaluation reports



**REPORTS RELEASED IN 2021**

Subject	: Guides to help draft the "Cybersecurity" component of consultations on industrial systems
Initiating TC	: TC CSI
Amount of which third-parties	: 7 000 EUR HTVA / guide : 0
Consulting firm	: CERTitude Numérique
Manufacturers	: N/A
Outcomes	: guides



**TWO GUIDES RELEASED IN 2020 AND 2021  
ADDITIONAL GUIDES TO BE RELEASED**

Subject : IEC 62443 tutorial

Initiating TC : TC CSI

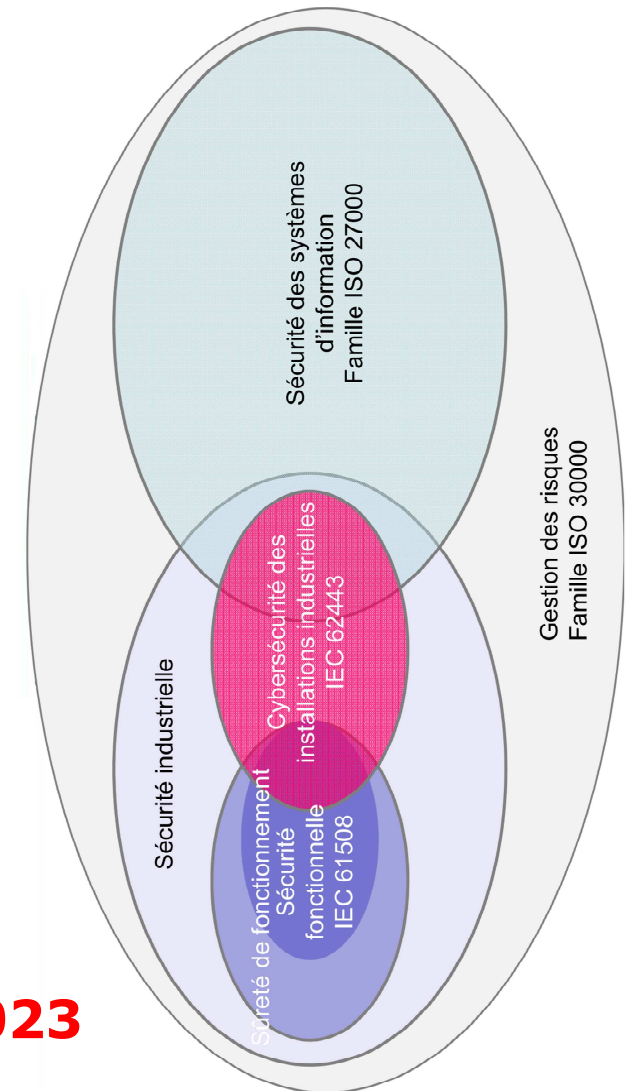
Amount : 9 000 EUR HTVA  
of which third-parties : 0

Provider : ISA FRANCE

Manufacturers : N/A

Outcomes : 1 tutorial  
and updates

**FIRST TUTORIAL RELEASED IN 2020**  
**2 UPDATES RELEASED IN 2021**  
**FUTURE UPDATES PLANNED IN 2022 AND 2023**







To contact us...

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