



EXERA IN A FEW WORDS...

January 2023

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



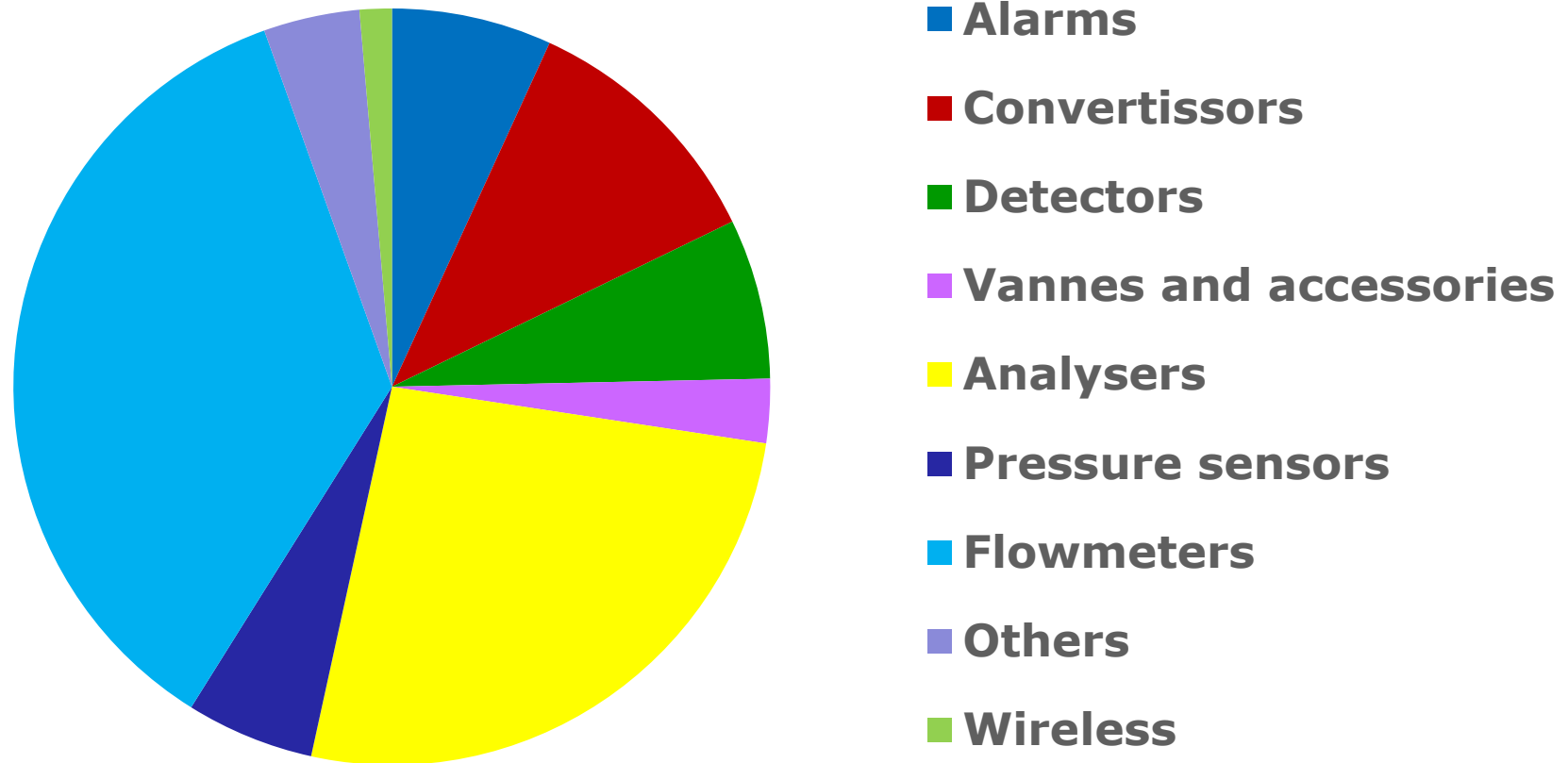
- **Around 120.000 EUR spent every year in studies contracted to laboratories**
- **With leverage (participation of suppliers, grants...), the amount allocated to studies reaches 140.000 EUR per year**
- **A rigorous process involving all the members to select the new projects of studies**
- **Strong 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

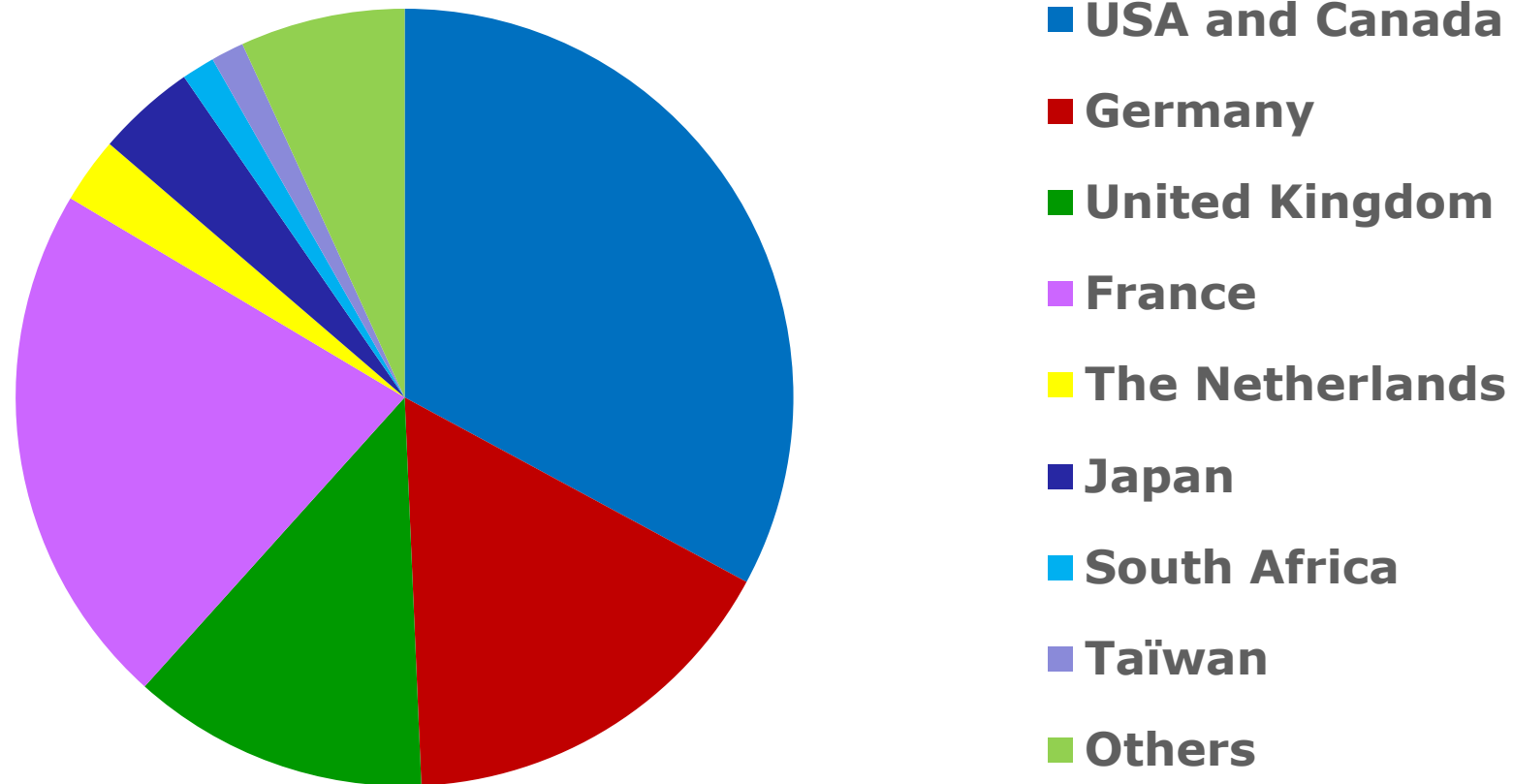
**Analysis of 73 evaluations conducted from 2008 to 2012
by Evaluation International (UK), WIB (NL) and Exera (F)**

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 2022		Year 2021		Year 2020	
	Number of actual meetings	Average number of participants	Number of meetings	Average number of participants	Number of meetings	Average number of participants
Safety Instrumented Systems (SIS)	8	6,6	9	7,7	5	10,2
Factory of the Future (EIF)	8	5,0	12	5,6	19	5,5
Cybersecurity of Industrial Systems (CSI)	7	13,6	7	10,4	8	10,8
Control system, Supervision, Simulation and Programing (3SP)	10	4,7	9	5,4	4	5,8
Measurement, New Technologies (MNT)	9	4,8	7	6,1	7	5,3
Folowmetering - Levelmetering (DEB-NIV)	4	8,3	5	10,0	5	9,2
Remote detection & Thermography (TD-TG)	4	5,8	9	4,3	5	8,2
Industrial Transmitters and Networks (TIR)	7	4,7	6	5,3	6	6,5
Industrial Analysers – Detection & Safety (AI-DS)	7	7,0	6	6,5	8	5,9
Maintenance in Operational Conditions (MCO)	5	8,6	4	5,3	5	5,2
	69	6,7	74	6,5	72	6,9



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, or from CLUI, or from Evaluation International (EI), a British association with which Exera is linked by a report exchange agreement.

700+ reports, guides... uploaded, for the period [2000-2022]

Breakdown of reports by nature and origin for the period [2012-2022]

Year	Total	Origin				Evaluations				Selection guides				Questionnaires				Others			
		Exera	EI	WIB	CLUI	Exera	EI	WIB	CLUI	Exera	EI	WIB	CLUI	Exera	EI	WIB	CLUI	Exera	EI	WIB	CLUI
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		
2022	20	20	0			13	0			0	0			0	0			7	0		

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

WIB: Dutch association

Technical Day in 2022

Factory of the Future – Industry 4.0

9 June in Paris

55 attendees, 14 speakers, 4 booths

Cybersecurity of industrial systems

29 September in Paris

163 attendees, 17 speakers, 17 booths

Technical Day planned in 2023

Cybersecurity of industrial systems

28 September in Paris

Samples of recent activities...

Period 2018-2022

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 : 77 000 EUR HTVA
of which third-parties : 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

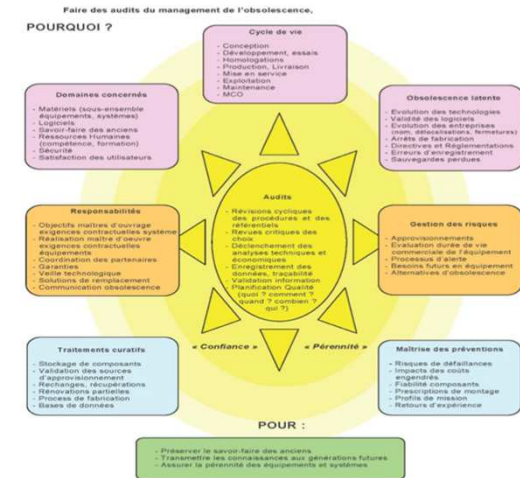
Initiating TC : TC MCO

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 : 49 700 EUR HTVA
of which third-parties : 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

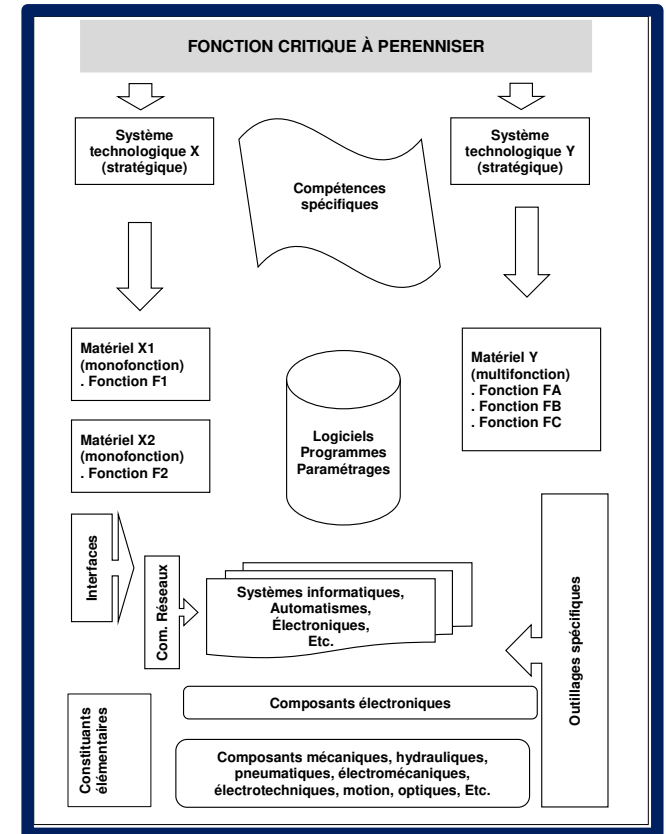
Initiating TC : TC MCO

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

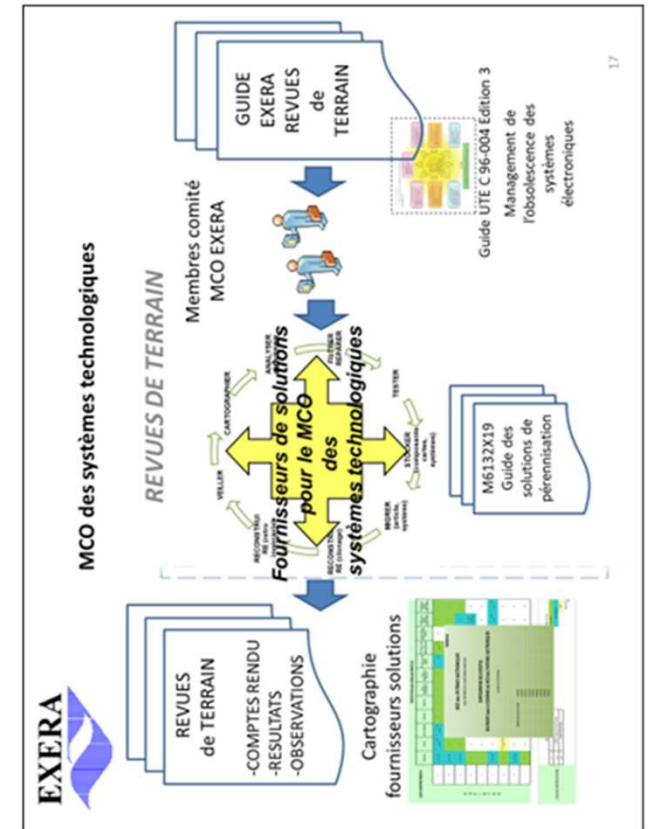
Initiating TC : TC MCO

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

Author : Technical Commission

Manufacturers : N/A

Outcome : 1 guide



GUIDE RELEASED IN 2020

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

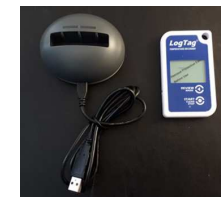
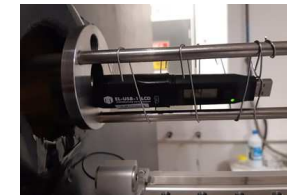
Initiating TC : CT MNT

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

Report : The Factory of the Future, opportunities and challenges of operational and organizational natures

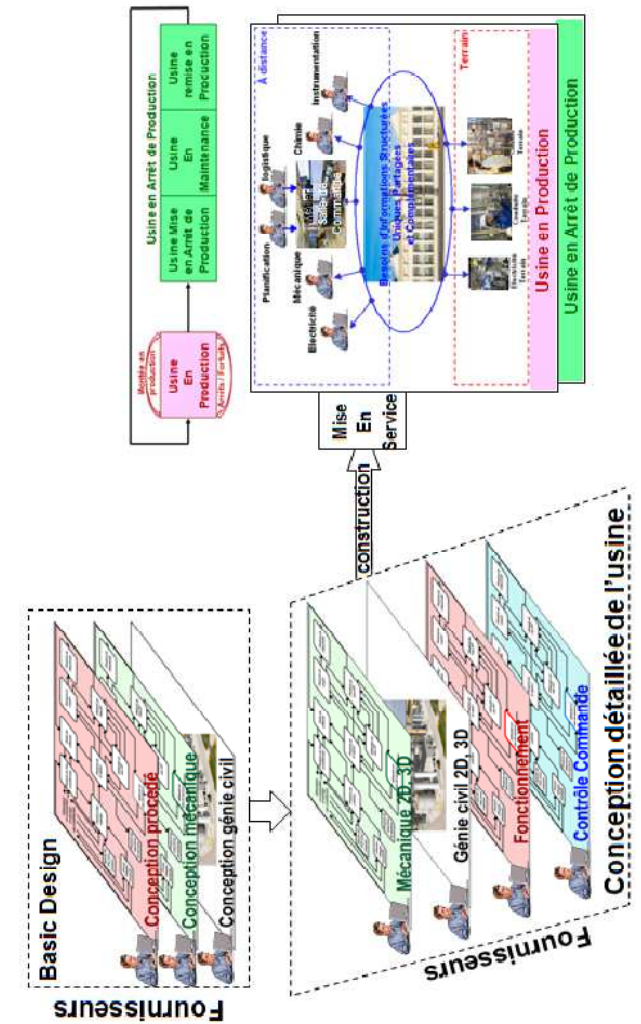
Initiating TC : TC EIF

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

Author : Technical Commission

Manufacturers : N/A

Outcome : 1 report



REPORT RELEASED IN 2021

Evaluation : 5 flowmeters in unsteady flows

Initiating TC : DEB-NIV TC

Amount : 163 560 EUR HTVA
of which third parties : 17 600 EUR HTVA

Laboratory : CETIAT

Manufacturers : Baker Hughes, Flexim
Fuji Electric,
Katronics, Krohne

Outcomes : 5 evaluation reports



REPORTS RELEASED IN 2022

Subject : Guides to help draft the "Cybersecurity" component of consultations on industrial systems

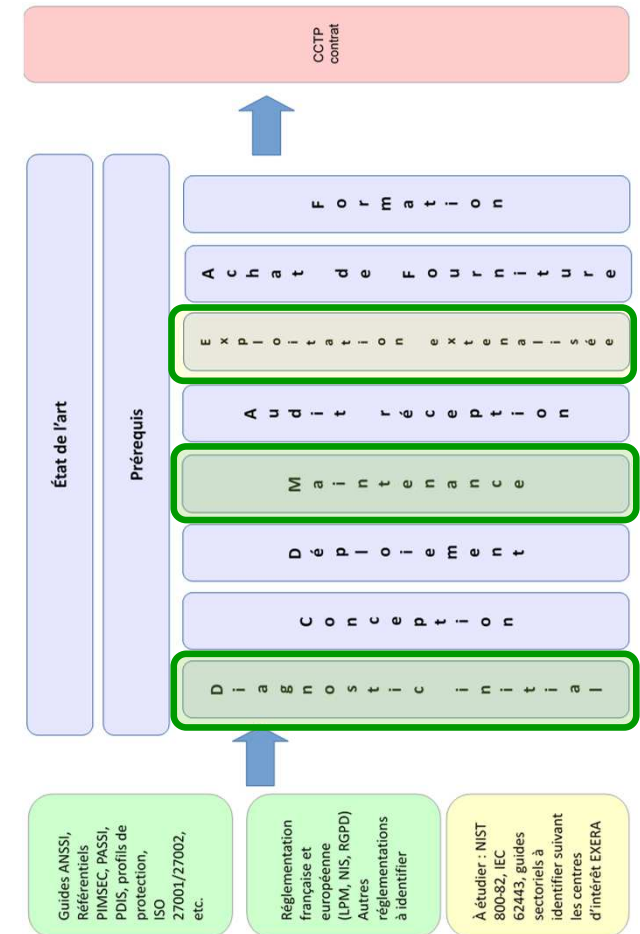
Initiating TC : TC CSI

Amount : $\approx 7\ 000$ EUR HTVA/guide
of which third-parties : 0

Consulting firm : CERTitude Numérique

Manufacturers : N/A

Outcomes : guides



**FOUR GUIDES RELEASED IN 2020, 2021 AND 2022
ADDITIONAL GUIDES TO BE RELEASED**

Subject : IEC 62443 tutorial

Initiating TC : TC CSI

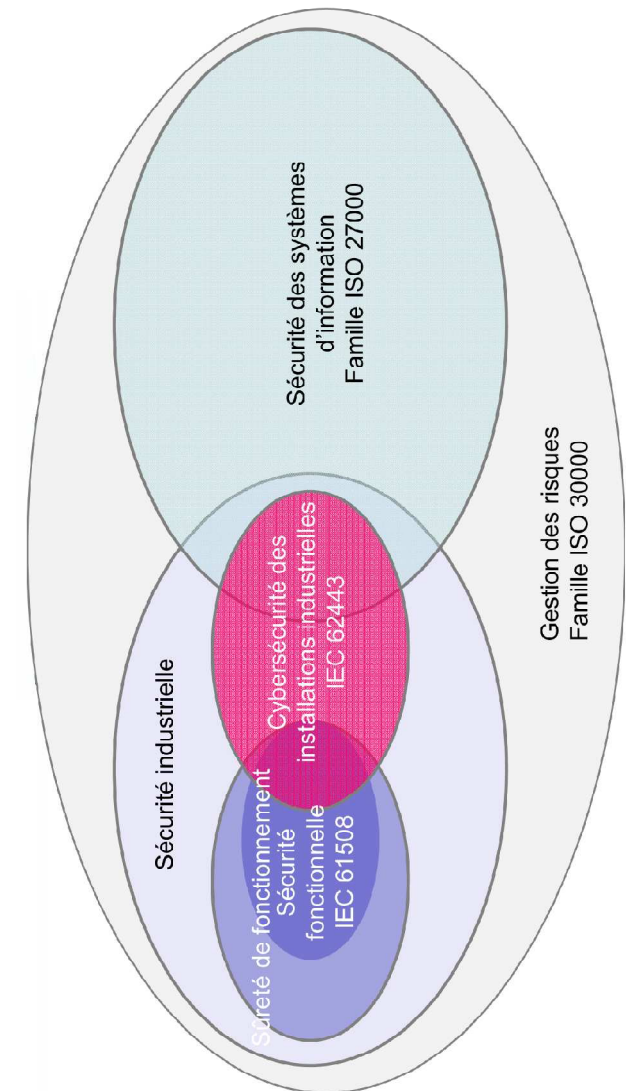
Amount : 9 000 EUR HTVA
of which third-parties : 0

Provider : ISA FRANCE

Manufacturers : N/A

Outcomes : 1 tutorial
and updates

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



Subject : Guide for the storage of technological equipment in the context of maintenance in operational conditions of industrial facilities

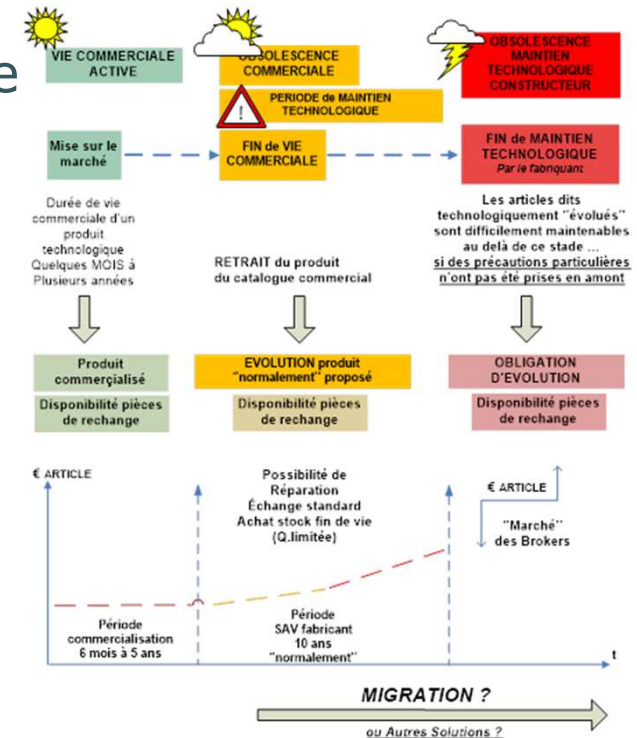
Initiating TC : MCO TC

Amount : 0 EUR HTVA

Author : MCO TC

Manufacturers : N/A

Outcome : 1 guide



GUIDE RELEASED IN 2022

Subject : Help for the expression of needs in terms of services expected from a SOC by OT network operators

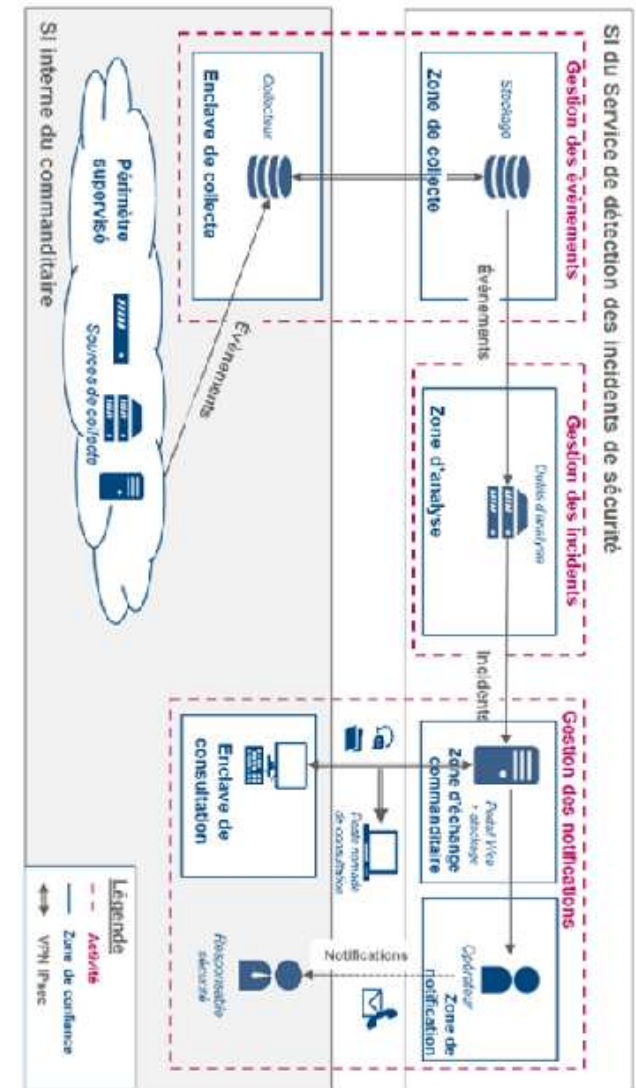
Initiating TC : CSI TC

Amount : 6 250 EUR HTVA
of which third-parties : 0

Consulting firm : CERTitude Numérique

Manufacturers : N/A

Outcome : 1 guide



GUIDE RELEASED IN 2022

Software evaluated : Panorama et PcVue
Codesys, ControlBuild,
Prosimul et Simac

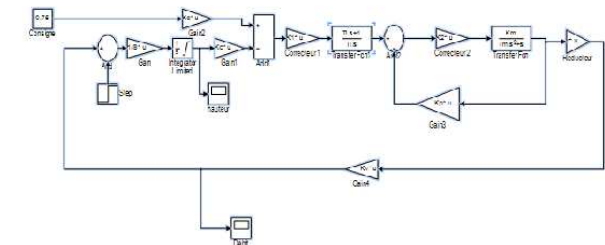
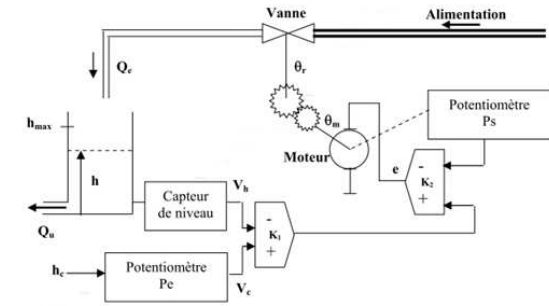
Initiating TC : 3SP TC

Amount : 16 640 EUR HTVA
of which third parties : 0 EUR HTVA

Laboratory : INSA Centre Val-de-Loire

Software editors : ARC Informatique, Codra
CMI CIFOP Val de Loire
Codesys Group, Dassault Systèmes, Prosynt

Outcomes : 6 evaluation reports and 2 summary reports



8 REPORTS RELEASED IN 2022



To contact us...

Exera

Address: **4 Cité d'Hauteville**
75010 PARIS
FRANCE

Tel: **+33 1 53 32 80 08**

Mail: **contact@exera.com**

Web Site: **www.exera.com**