

Electrical Analysis Experts

Short Investors Deck | IoTWeek Dublin 2022



Common Challenges

Global Challenges Common for Strategic Markets



Industry

Infrastructures

Cities



Common Challenges

Facts that Confirm the need for New Solutions

	SAFETY is a Must	Ineffective Maintenance
Global loT market size grew 22% in 2021 Industrial Control market will grow up to USD350B in 2026	 3.408 Fatal accidents reported by the EU in all sectors in 2019 64.4% of them happened in: Construction Transportation & Storage Manufacturing & Agriculture Forestry & Fishing 	40% of maintenance costs are spent on assets which are in correct operation. ² 82% of asset failures appear random. ¹ Only 18% of assets have an age-related failure pattern. ¹

Source: Enterprise IoT market 2019-2027 Report from IoT analytics

Source: https://ec.europa.eu/Eurostat

1 Source: ARC view. Optimize Asset Performance with industrial IoT Analytics

2 Source: Oniqua Enterprise Analytics, Reducing the Cost of Preventive Maintenance.



Great opportunities to improve

in operations, efficiency and waste reduction



Only 18% of assets have an age-related failure pattern.¹

Only UPS Railway maintenance cost for the Spanish High-Speed infrastructure represents approximately €1M every year

The major part of the UPS are changed preventively not knowing its real degradation level

SIGMA helps to identify which UPS have to be changed and when saving in average more than 80% substitution costs²

1 Source: ARC view. Optimize Asset Performance with industrial IoT Analytics 2 Calculation done using SIGMA's client projects



Global Rising Market

High Opportunities for New Solutions Worldwide



Source 2: https://www.grandviewsearch.com/industry-analysis/smart-cities-market CAGR: Compound Annual Growth Rate TAM, SAM, SOM projected values



Fragmented Ecosystem

Companies and startups developing globally

SIGMA is more Affordable

Flexible

Easy

		Ap	plicati	ion	Assets covered CI		Clients		Offering				Sen	sors	Company type			Than other compe			
Company	Maintenance	Efficiency	Surveillance	Analytics	Protections	Rotatory	Other	Infrastructure	Corporation	SME	Custom	Sensors	loT Gateway	Cloud platform	Analytics	Vibration	Electric	SME	Startup	Corporation	Value Proposition Score
SIGMA Industrial Precision																					15/15
C ENGING																					11/15
Artesis																					7/15
5 Samotics																					8/15
AUGURY																					8/15
ADI OtoSense																					8/15
																					7/15
Traditional Contractors																					12/15



A Complete Solution

From smart electric sensors up to advanced analytics, easy to install and implement





Go to market

High speed strategy





Clients

Domestics and Internationals



Clients in Spain, Portugal, Germany, Poland, Venezuela and Mexico



SIGMA disrupts the market

Simple Solution for Fast and Massive Implementation





Business Model

From Hardware+ Service combination to 100% Recurrent Service

Today	Avg. Price	Avg. Margin
Sensor + IoT Dev	€1000	FO 0/
Recurrent Service	€500	50%

Tomorrow	Avg. Price	Avg. Margin
All included Recurrent Service	€700	64%





3 key founders for a great team

A balanced mix with more than 50 years of combined experience:



Begoña Segarra Marketing Manager



Claudio Sarrà **Business developer**



Adriano Sorci **Business** advisor



Josep Casals Analyst



Jose Serra IoT & Cloud expert



Rodolfo Aguilar Electrical expert



Roadmap

One-shop solution with sensoring + IoT platform + Recurrent Analytics Services



operating own proven for platform with scalable structure and in continuous improvement Approved €450K Budget for Al own algorithms development Starting project 2022/Q2 Contract in negotiation with maintenance and construction global corporation



Time to Scale-up

An experienced Startup with Proven Market Fit

Market validation already done

- > **4Y** startup
- > €800K invested¹: entrepreneurs + FFF + Loans & Grants³
- >€350k accumulated sales and current orders²

Public funding and validation



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 886905. This project has indirectly received funding from the European Union's Horizon 2020 Research and Innovation programme, via an Open Call issued and executed under project MINE.THE.GAP (grant agreement No 873149)



Business in acceleration

- > 15 clients
- > 60 sensors under surveillance
- > 20 new customers in sales pipeline
- > 90 new sensors in sales pipeline

International validation



Current sales

Note 1: capital, grants and participative loans included Note 2: added estimated sales from 2017 to December 2021 Note 3: pending to sign €120K grant + €200K soft loan from CDTI



Investment Opportunity

A great Opportunity with high Potential

2.000.000 €

40% Sales and Marketing **26% General and Administrative** 34% Research and Development

Profit & Losses	S					Staff planning	g				
	2021	2022	2023	2024	2025						
Service Revenue	8.940 €	130.000€	810.000 €	6.360.000€	50.780.000€	Staff forecast	2021	2022	2023	2024	2025
Product Revenue	20.859€	210.000€	1.160.000€	8.110.000€	17.650.000€	R+D	1,25	4,75	10,25	14	15
Total Revenue	29.799€	340.000 €	1.970.000€	14.470.000€	68.430.000 €	Sales	0,7	3,25	8,75	13,25	15
						Marketing	0,625	1,25	3,25	4	4
Gross Profit	15.000 €	130.000 €	810.000 €	5.690.000 €	43.510.000 €	Operations	0	2,25	8,75	12,25	14
Operating Profit	(115.000)€	(1.010.000) €	(1.700.000) €	2.440.000 €	40.260.000 €	Administration	1	2,125	6,25	7	7
Net Profit	(122.000) €	(1.020.000) €	(1.710.000)€	2.430.000 €	30.300.000 €	Total Avg. Staff EoY	3,575	13,625	37,25	50,5	55

We invite you to win with us!

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SIGNA Industrial Precision

Electrical Analysis Experts





Corporate Acquisition





Great opportunities to improve

in operations, efficiency and waste reduction

From €66 M/Y estimated losses and upwards²



82% of asset failures appear random ¹

Minimum average loss per failed operation €20K² Considering 30 trips a year² for 2210³ oil tankers worldwide in 2020 Failure in 5% operations for a total of 3315²

Failure in pump to discharge am Oil Tanker in port

Pumps that work once in a while in chemical downloading operations, during 20-30 continuous hours

An unexpected failure of the pump can carry important direct and indirect costs:

- Fines and extra costs for mooring and unmooring operations
- Direct costs in spare parts and pump repairment
- Oil tanker delays for operation and possible losses in following contracts

Source: ARC view. Optimize Asset Performance with industrial IoT Analytics
 Source: Calculation done using SIGMA's client projects
 Source: https://www.statista.com/statistics/468405/global-oil-tanker-fleet-by-type/



Where we can help in Maritime

Example in Barcelona's Port



Electricity is present in all maritime operations A

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- Ships: electric engines, power generators, pumps, compressors, etc.
- **Dock cranes**: power supply analysis, motors mechanical damage surveillance, etc.
- Gas & Fuel Storage: electric compressors, pumps, etc.
- Silos: loading and unloading machines, conveyors, etc.
- **Containers:** power supply, cryogenic systems, etc.



Benefits

from an Electrical Automated Surveillance and SIGMA's analysis:

SHIPS:

- 1. Pumps
- 2. Compressors
- 3. Electric engines
- 4. Power generators

DOCK CRANES:

- 1. Power supply analysis
- 2. Motors mechanical damage surveillance

GAS & FUEL STORAGE:

- 1. Pumps
- 2. Electric compressors

SILOS:

- 1. Conveyors
- Loading and unloading machines

CONTAINERS:

- 1. Power supply
- 2. Cryogenic systems

- **Ensure critical operations** in docking process Increase on board electric infrastructure **safety**
- Mechanical & electrical surveillance for cranes' motors from electrical cabinet
- Reduce maintenance, complexity and costs
- Pumps and compressors easy surveillance and protection
 Electrical power supply analysis to ensure safe operation
- Avoid breakdown during loading or unloading operations
 Increase protection for people, easy surveillance in hazardous areas
- Ensure electrical correct supply
- Immediate alert against problems that can risk the goods



SIGMA disrupts the market

Electricity is everywhere and speaks





Why Electrical Analysis

A common component in all operations and infrastructures





Bringing Value from Day 1

Many benefits oriented to ensure efficiency

- 1. Save costs
- 2. Increase Safety
- 3. Increase Productivity
- 4. Guarantee optimal operation
- 5. Identify & Control critical equipment
- 6. Extend old or new machines Lifetime
- 7. Identify technical and electrical problems
- 8. To make better use of **Staff time**

SAFETY:	E
Staff	i i
Machines	1
Infrastructures	С
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SAVINGS:	N
Electricity	C
Maintenance costs	Y
Unforeseen stops	



SIGMA's Advantages





Huge market in acceleration

Relevant competitors for Predictive Maintenance





Common Solution

Deep Electrical Analysis can be the Key





Electrical Analysis Platform

A complete solution starting in the electrical panel

SIGMA gets all **information** required, using our own electrical analysis platform:



With an easy implementation in the electrical panel:





Competitors

Predictive Maintenance and Energy Surveillance

Our approach is more **flexible** and **scalable**

SIGMA is relevant for:

Energy

Y Predictive Maintenance

Flexibility

- By the number of different assets that can be surveilled
- By the different numbers of failures that can be identified
- By the dependance on external resources: software, expert staff, etc.

Scalability

- By the cost per asset surveilled
- By the number of enabling technologies integrated
- By the dependence on external resources

