



The Collider

A programme of



**MOBILE
WORLD CAPITAL™
BARCELONA**

Deep Detection

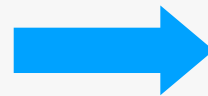
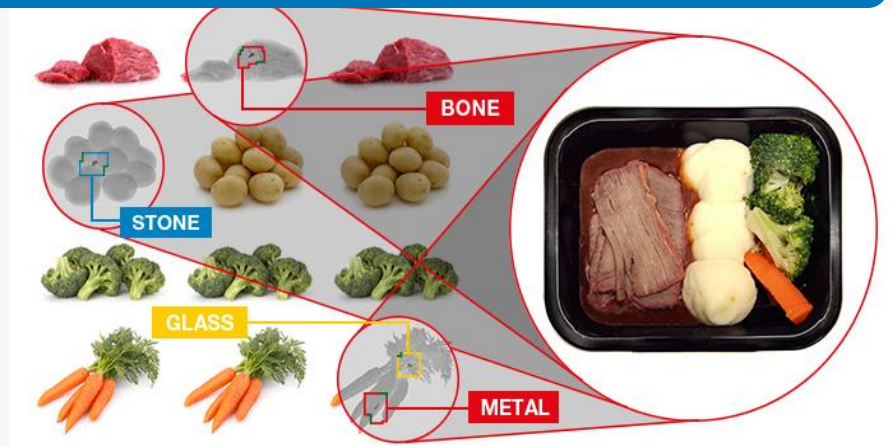
Detect Whatever You Want



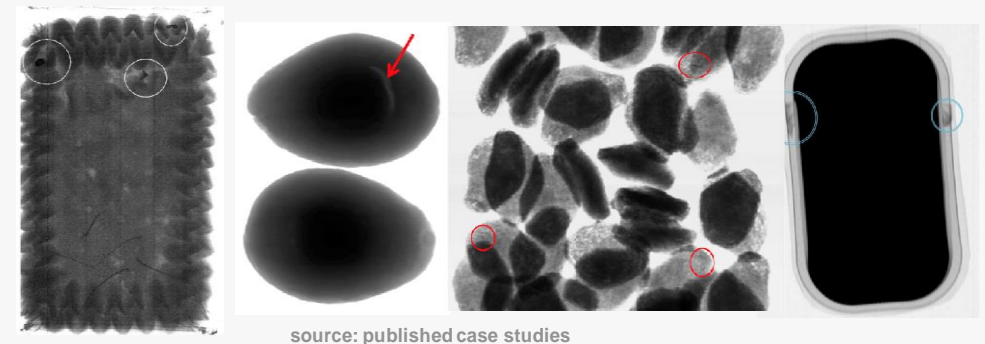
Problem: detection of low density foreign bodies

There are unresolved inspection pains and new opportunities across global Food & Beverage industry: **low density materials, such as plastic, wood, bones or crop debris.**

what they want to see



what they actually get



source: published case studies

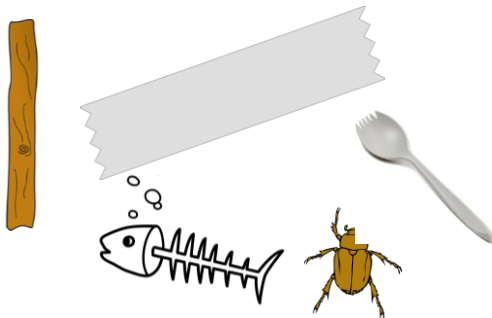


We solve one of the biggest problems of the food industry: plastic detection

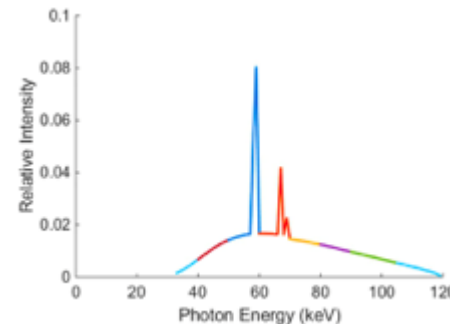
Our solution: A multispectral photon counting Xray camera to detects low density foreign bodies for food inspection at production speeds.

We can detect plastics, bones, debris and organic elements in food.

Detect the non-detectable



Classify materials according to composition



Digital tunable X-ray camera





Rising demand in Industrial Inspection Market



Companies are looking for **New Inspection Technologies** in food, security, supply chain and future automotive sector.

Machine & System

3 BN\$



X-ray cameras (Industry Market)

1BN\$

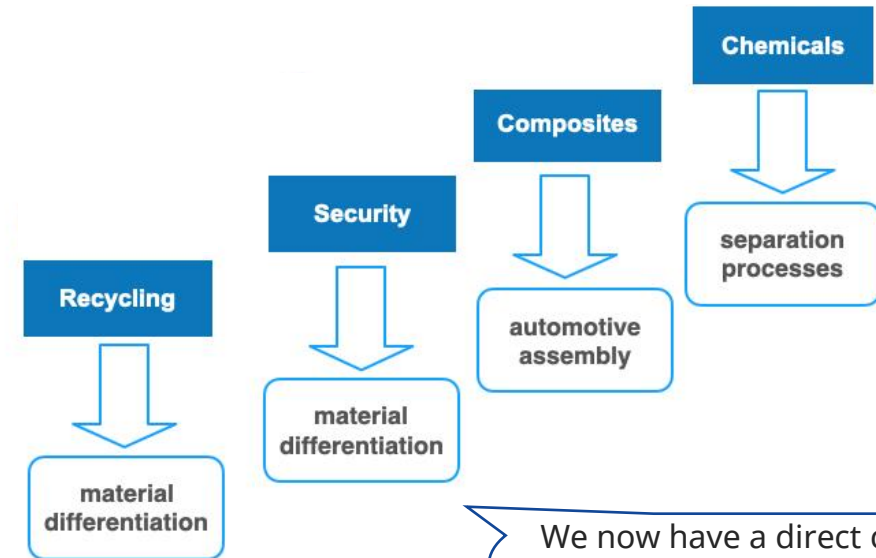
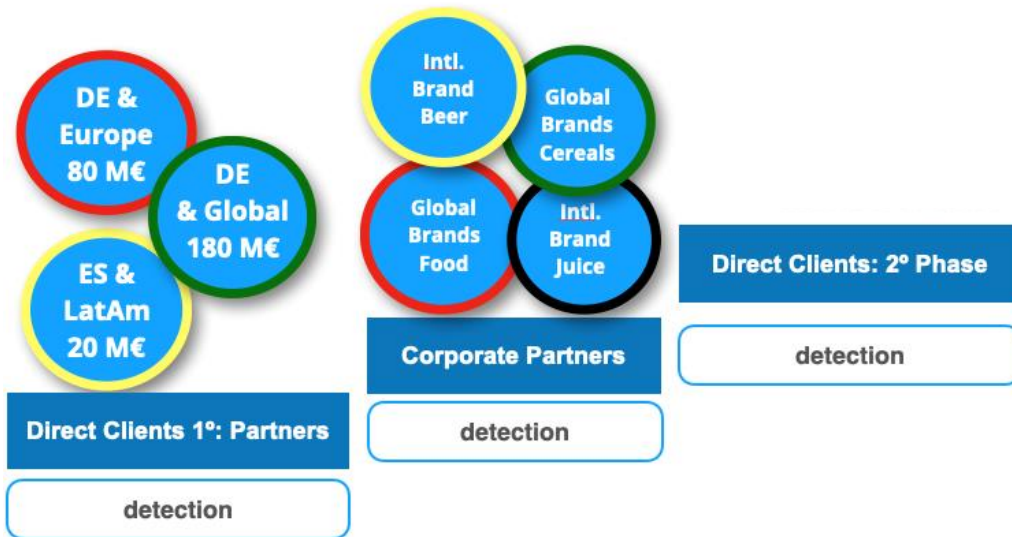


**Goal: 5%
in 2025**



Our proposal has gained traction with direct clients and end users

Nov 2020	May 2021
4 direct clients: buying 700 cameras per year + 4 F&B Corporates	10 direct clients: buying 2000-2500 cameras per year + 10 F&B Corporates



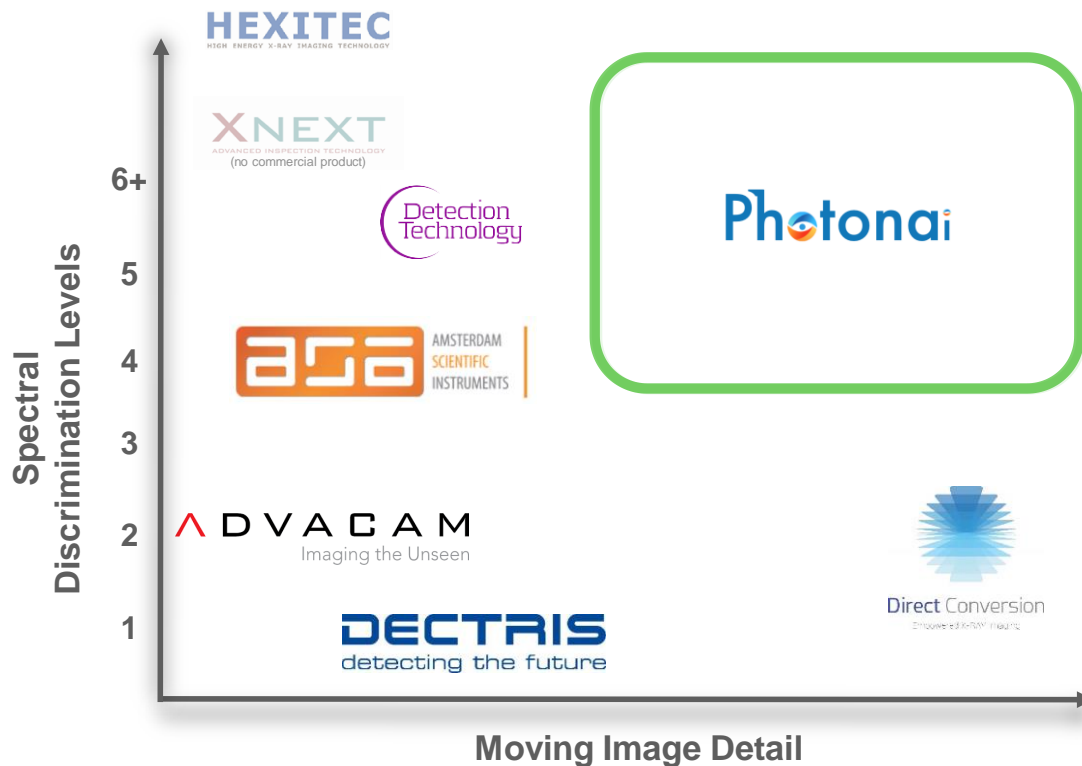
We now have a direct client or end user engaged in each of the adjacent market opportunities identified for 2022-23

Step 1 Food & Beverage: 2021

Step 2 Adjacent Markets Growth: From 2022



USP: Photonai – The only multi spectral photon counting X-ray camera for online inspection at high speed



- ✓ Competitors are highly diversified in different markets.
- ✓ Nearest competitors growing at 24% and 33%
- ✓ M&A of companies in the sector during last years

Direct Conversion under 15M€ revenue acquired for 80M\$ in 2019.



B2B2B: We sell our hardware to X-ray machine companies

Cameras

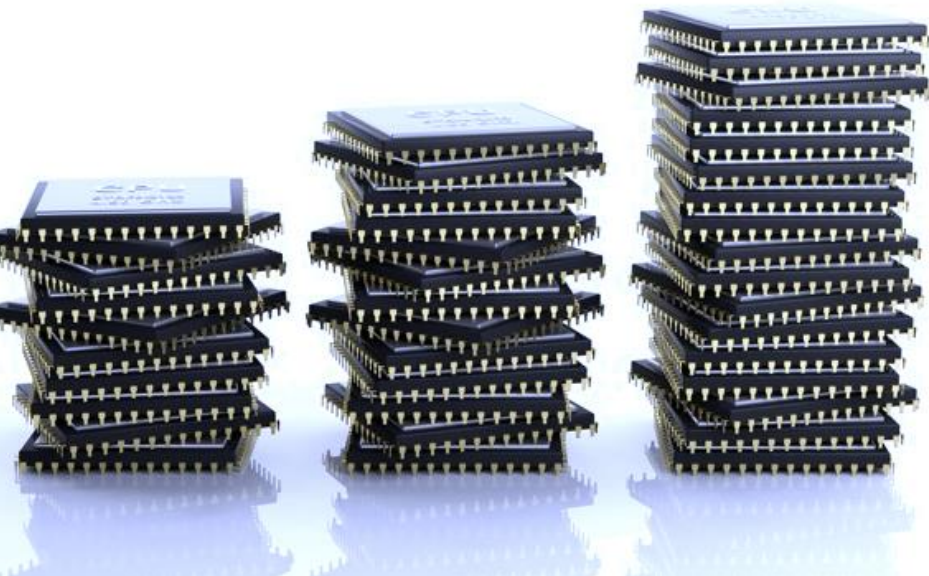
1st revenue stream: Up-front payment per camera

- Initially 2 models, the Dual and Quad Spectra based on the same chip platform

SMART Modules

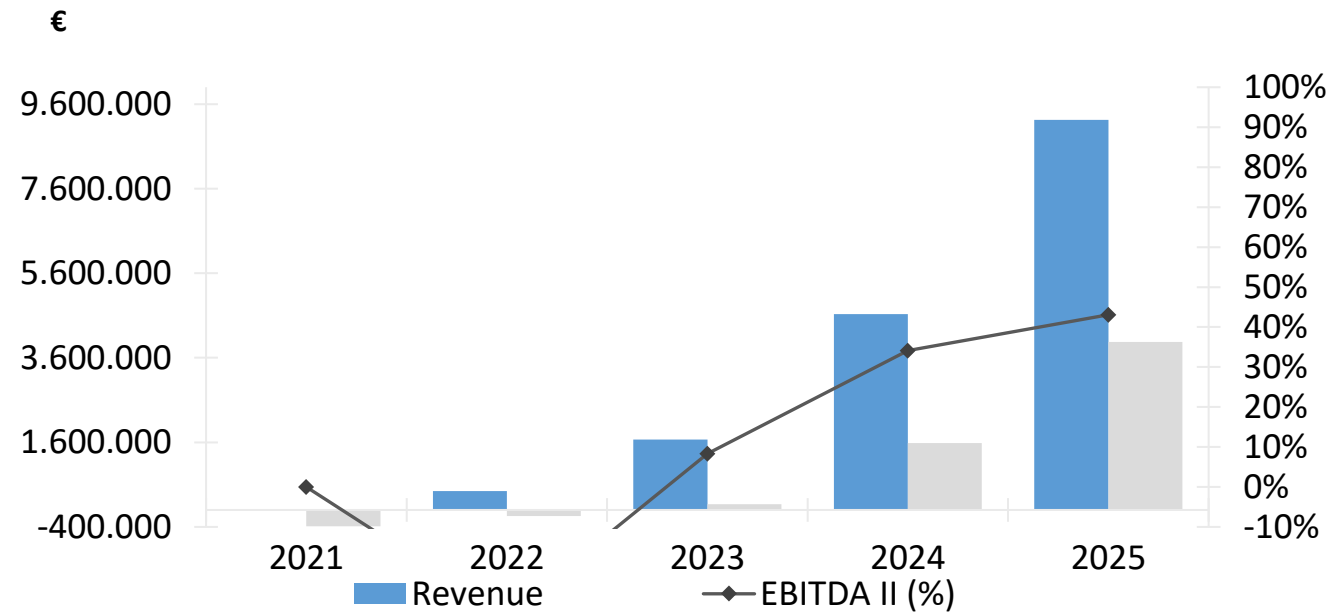
2nd revenue stream: Upfront & recurring payment

- Hardware AI module to provide smart and personalized solutions





Worldwide Revenues



Profitable and scalable business

Deep Detection will be a profitable company from 2023.

Camera date

Cost: 6-9 k€. Scales factor reducing cost by 30%.
Price: 18-20 k€.

Investment opportunity

Investment multiple: x8 in 2025.
Multiple exit opportunities that will result in a high ROI.



Investment Utilization

600 k€

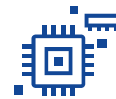
Pre - money valuation: 2 M€

Objective: validate the technology with customers and pre-sales

We are looking for 12 months financing to fast track commercialization

We have 300k€ committed from an international VC

160 k€



Pilot program & Demonstration

- ✓ Tier 1: 5 clients
- ✓ Tier 2: 5 clients

300 k€



Industrial prototypes & industrial design

- ✓ 4 Industrial prototypes
- ✓ Improvements
- ✓ Certifications

140 k€



Business Development, Exploration & funding

- ✓ Clients
- ✓ Supply chain partners
- ✓ Investors

Team growth: 6 people



Our Team Members



CEO
David Ciudad

Business leader in technology and industrial sectors. Founded four companies: SIMPPLE, Populetic, Infinitum Projects, Woices (1 exit, 2 live, 1 close).



COO
Colin Burnham

Innovation & technology commercialisation leader behind some of the worlds famous brands. Previous board member @PepsiCo Iberia and Europe



Principal Researcher
Prof. Mokhtar Chmeissani

Research and technology transfer at CERN and IFAE. Multi-energy detector expert.



Research Engineer
Dr. Jose Gabriel Macias

Designer behind the microchips for Deep Detection. Expert in ultra low power and noise.



We are a connected team from diverse backgrounds with a shared mission to commercialise a protected hardware solution with focus on clear, specific market needs.



Leadership



Responsibility



Traction



Expertise



We solve one of the biggest problems of the food industry: plastic detection. Imagine what we can deliver in 3 years.

Business Opportunity

- Commercialise deep tech x-ray camera
- Solve everyday pains

Value Proposition

- Best fit detection tuned to client needs
- Empower AI detection

Pilot Program

- 3 Clients: National and International
- 4 End Users: Key leaders in F&B

Market

- 1BN\$ serving a €1 Trillion Segment (EU)
- Rapid technology adopters

I.P.

- Technology transfer approved by IFAE
- Patented fast, sharp image algorithms

MVP

- Partners lend showroom & lab facilities
- IFAE pilot camera & know how

Business Plan

- EBIT 3.2 M€ in 2024
- Profitable and scalable business

Team

- Technology expertise
- Rigorous & agile execution
- Ambitious & complimentary team

Thank you!



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