

EPIC Photonics Index Universe

Antonio Raspa, EPIC









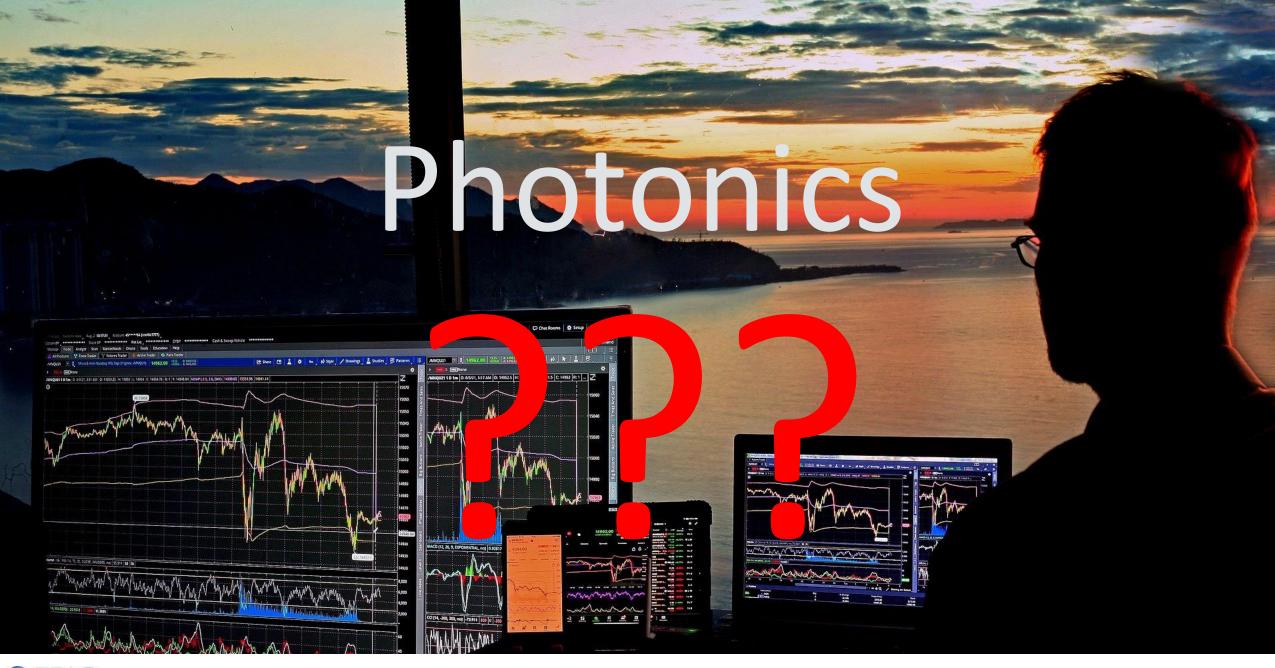
















Funding company growth requires

INVESTORS 2000

(Friends, Banks & Agencies, Incubators, Business Angels, Family Offices, Venture Capitals, Corporate investors, ...)

They want to earn money
They need clear benchmarks
They don't care too much about technology
The investment must be immediately relatable and relevant





Understanding their LANGUAGE

Raising interest for the noun **PHOTONICS**

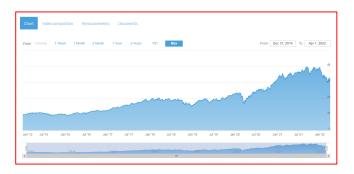
Showing clearly that it is a **PROFITABLE** industry





... a long journey!







...

2015

June 2021

January 2022

June 2020

September 2021

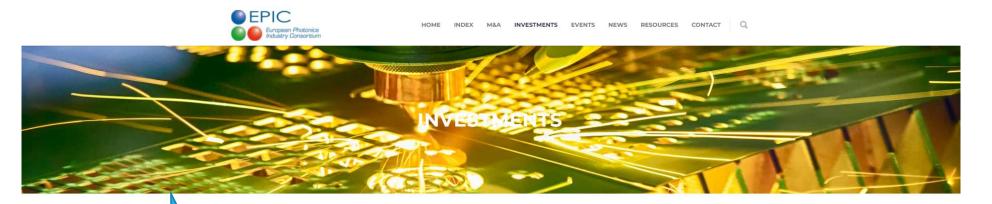


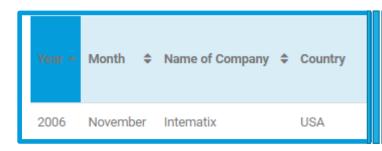






Keep memory of past investments

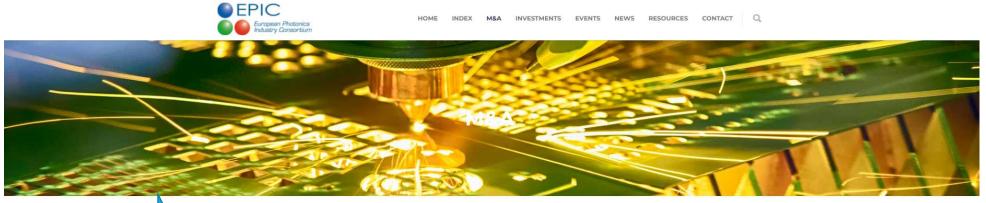


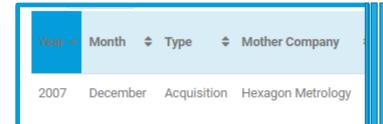


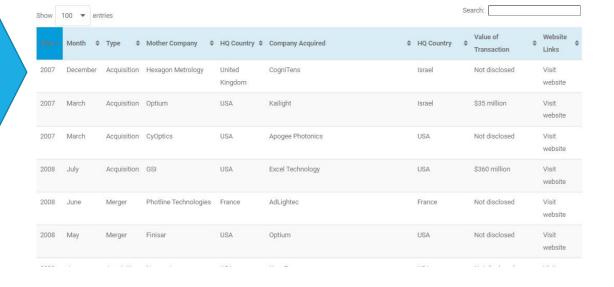
Show	100 ▼ ent	ries					Search:	
rear =	Month \$	Name of Company	Country \$	Amount raised	Series A (first round) or B (second round)	•	Investors \$	Website Links
2006	November	Internatix	USA	\$16.5 million	Series C		Crosslink Capital and Samsung Ventures, Presidio STX, Draper Fisher Jurvetson, East Gate Capital and Pacifica Fund.	Visit website
2007	December	Holochip	USA	\$2.7 million	Series A		ITU Ventures	Visit website
2007	November	Michelson Diagnostics	UK	£600,000	Series A		London Seed Capital, London Business Angels and Catapult Venture Managers.	Visit website
2007	November	Arbor Photonics	USA	\$85,000	Not disclosed		University of Michigan's Ross School of Business.	Visit website
2007	October	Light Blue Optics	United Kingdom	\$26 million	Series A		Earlybird Venture Capital of Germany, Capital-E, 3i plc and NESTA.	Visit website
2007	October	Reflex Photonics	USA	\$3 million	Series A		FIER Succes, MSBI Capital, RESO Investments.	Visit website

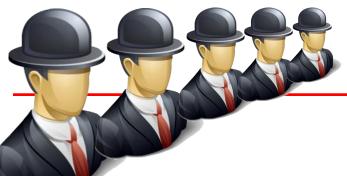


Keep memory of past M&A

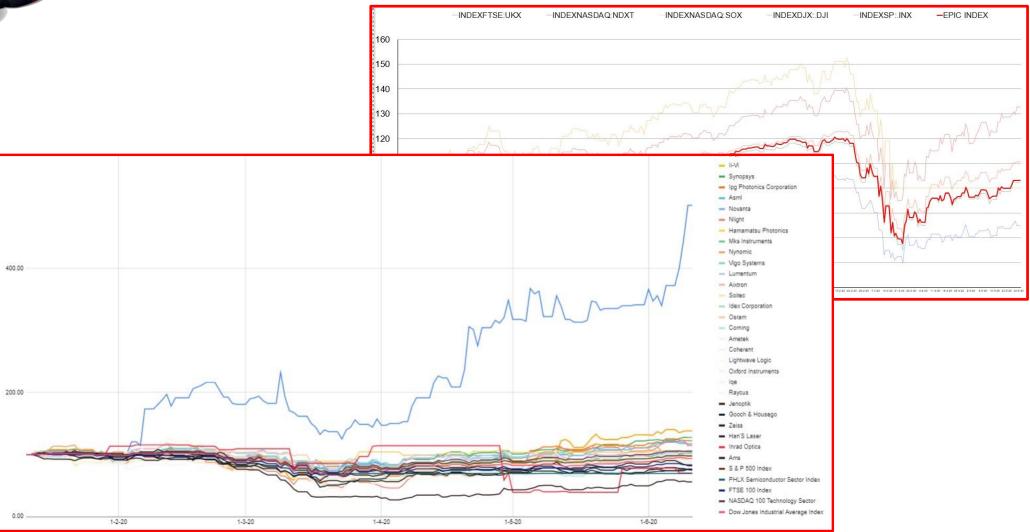


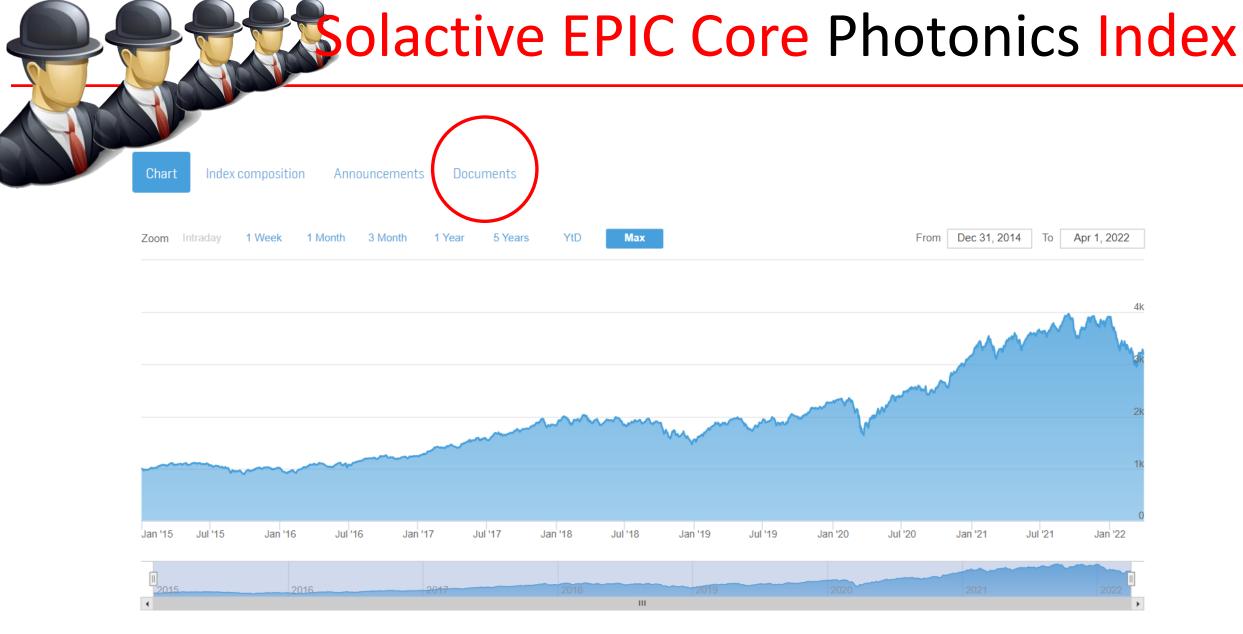




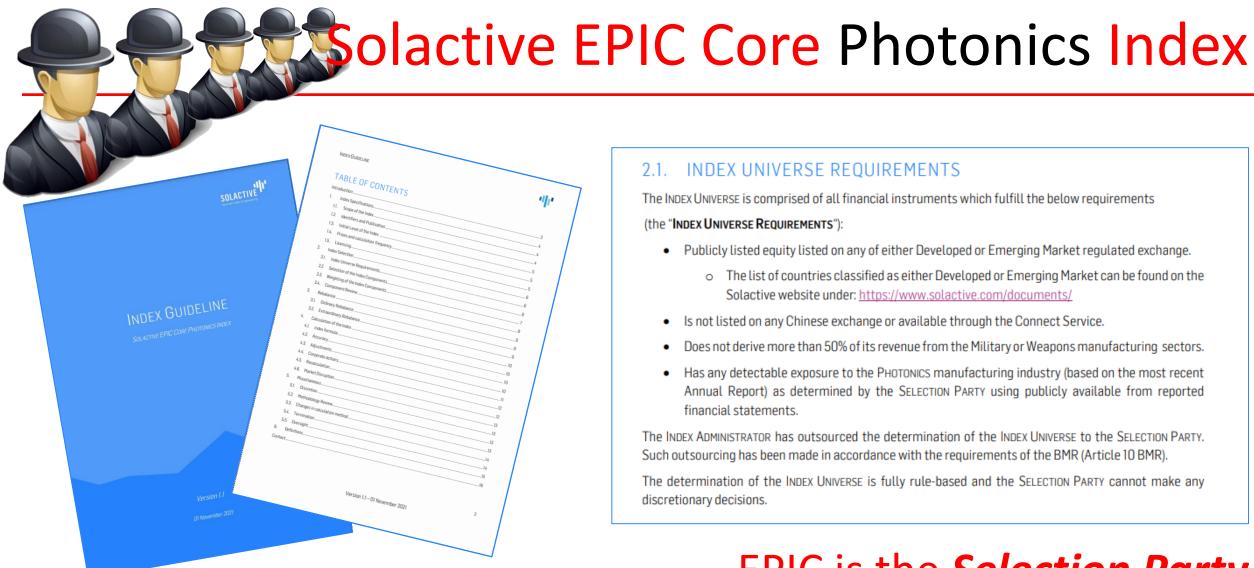


Analize data from stock market









INDEX UNIVERSE REQUIREMENTS

The INDEX UNIVERSE is comprised of all financial instruments which fulfill the below requirements (the "INDEX UNIVERSE REQUIREMENTS"):

- Publicly listed equity listed on any of either Developed or Emerging Market regulated exchange.
 - The list of countries classified as either Developed or Emerging Market can be found on the Solactive website under: https://www.solactive.com/documents/
- Is not listed on any Chinese exchange or available through the Connect Service.
- Does not derive more than 50% of its revenue from the Military or Weapons manufacturing sectors.
- Has any detectable exposure to the PHOTONICS manufacturing industry (based on the most recent Annual Report) as determined by the SELECTION PARTY using publicly available from reported financial statements.

The INDEX ADMINISTRATOR has outsourced the determination of the INDEX UNIVERSE to the SELECTION PARTY. Such outsourcing has been made in accordance with the requirements of the BMR (Article 10 BMR).

The determination of the INDEX UNIVERSE is fully rule-based and the SELECTION PARTY cannot make any discretionary decisions.

EPIC is the **Selection Party**

The **Selection Party** cannot make any discretionary decisions



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EPIC Photonics Index Universe

PHOTONICS CATEGORY	Applications & Markets	Examples				
Industrial Products	OEM Raw Materials/Components for Industrial Applications	Augmented Reality, Virtual Reality, Optical Components, Optical glass, filters, prisms, coating lens, laser chips to be integrated, image sensors to be integrated, Epitaxial Wafers Manufacture Precision Moulded Optics, Thermal Imaging Optic				
Consumer Products	OEM Components for Consumer Products	Automotive Lighting, LED Systems, Autonomous Vehicle Sensor Manufacturing, LIDAR Components for office laser printers/scanner, displays (smartphones, tv, PC, etc), cameras (smartphones, professional cameras, etc), Optical mouses and disk drivers, fingerprint ID, Pure Manufacturer of LCD and OLED Displays, Opto-Electronics laser sources and laser machines cutting, welding, cleaning, 3D printing, metal cladding lithographic processes				
Lasers	Laser Sources & Laser Material Processing Equipment					
Environmental	Solar Energy & Environmental Improvement	LED Lighting, Ultraviolet Lighting, lighting for agri-food Solar Energy Solutions Provider				
Telecom	Telecommunications, Satellite & Internet Equipment	Telecom Cables, Optical Transmission Technology, Fibre Networks, Optical transmitters and receivers, low consumption systems for datacenter, Space Communications satellite-satellite or satellite-ground				
Healthcare	Photonics for Healthcare and Well-Being	Endoscopy, Healthcare Lasers, Micro Surgery In-vitro Diagnostics and imaging, Laser-based diagnostic (OCT, Photoacoustic, Raman, 2 photons), laser based treatment systems (vision correction, dermatology, urology, ophthalmology, gynecology, etc), surgical microscopes endoscopes				
Sensors	Photonics Sensors and Monitoring Equipment	Eye Care, Smart Infrastructure (Survey, 3D Measure), Positioning, Machine Vision Technology, Optical Sensors, Remote Optical Sensors, 3D Sensing, Optical Scanners, Measurement Technology, Telecom Cable Sensors				
Defense	Defense, Security	Periscope, night vision, telemetry, tachymetry, laser vibrometer, countermeasures, CBRN measurements, Camera for security & video surveillance, Laser guidance and Laser weapons				

EPIC Photonics Index Universe contains about 150 public companies listed on stock markets all around the world



Photonics Index Database Management Procedure



The Photonics Exposure

Key Photonics Users

Photonics Exposure between 20% and 50%

Fair Good High **Poor** Very High Very poor

Core Photonics

Photonics Exposure above 50%

Unconscious Users

below 20%%

The percentage of the company revenue directly coming from photonics.

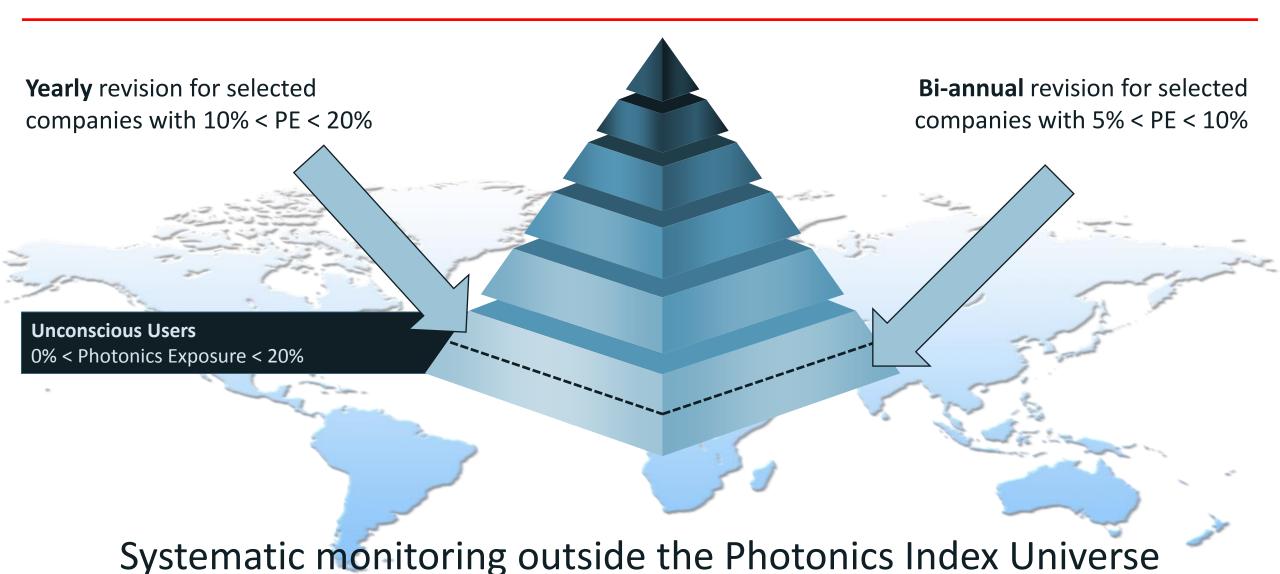


The EPIC Photonics Index Universe



above 20%

Outside the EPIC Photonics Index Universe





Thank you for your attention

Questions?

Antonio RASPA, EPIC



