

STRETCHING INNOVATION

WISE, from lab to venture.

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wiseneuro.com



WISE

What do we do?





WISE vision

First to produce Neuro-leads:

- soft & conformable,
- stretchable,
- minimally invasive.

Intraoperative lead WCS®: commercial in EU



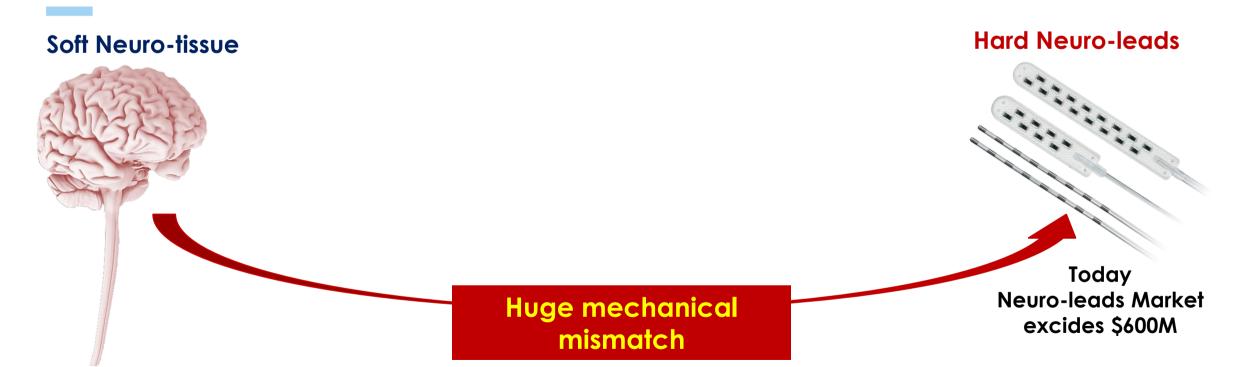
Chronic Heron® lead: engineering finalization



Revolutionizing leads for any medical device

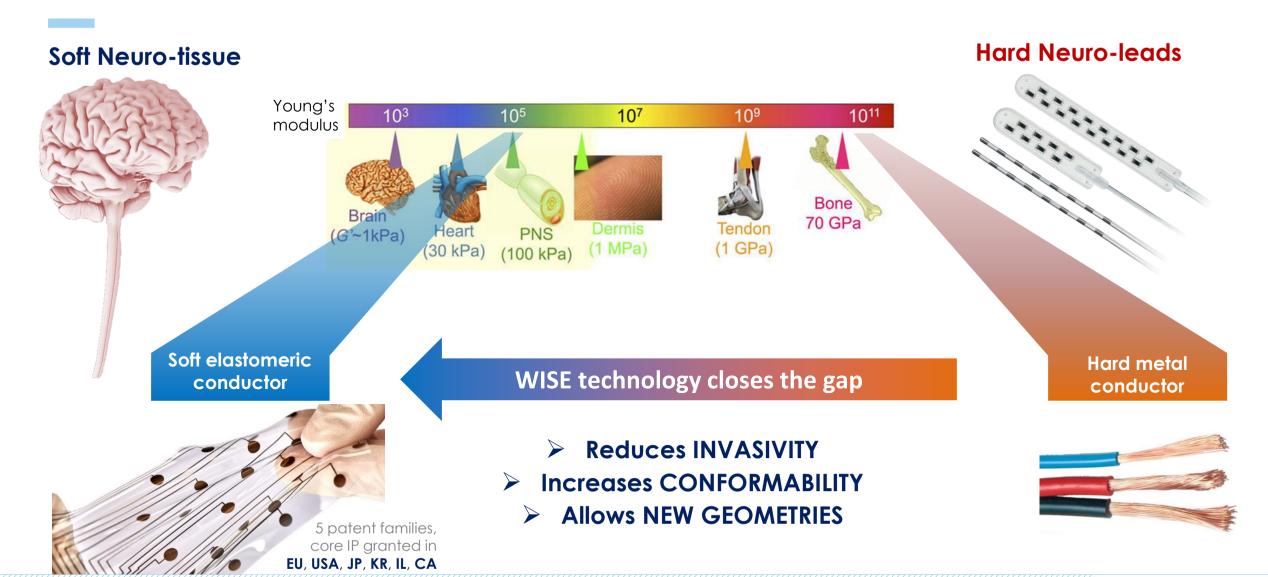


The unsolved Medical need of Neuro-leads





The unsolved Medical need of Neuro-leads





WISE Cortical Strip vs. Conventional Strips

The Past The WISE future





Test performed on an explanted bovine brain

Better contact to the brain



Improving the reliability of intraoperative Neuromonitoring





WISE's Factory

Italian headquarter:

- ➤ 1500 m² facility
- ➤ Offices, Labs and Production
- ➤ 120 m² ISO7 cleanrooms













WISE's Financial Resources

€26M of Equity Investments

in 6 rounds, from Angel to Series C







New Frontier



Fondo Nazionale Innovazione CDP Venture Capital Sgr











€6.3M of Grants

European, National, Regional, Local



EIC Accelerator Grant only €2.3M on 2020

- > 2551 Projects submitted in the EU (NON COVID)
 - > 36 (1.4%) Projects Financed
 - > WISE's project was the sole Italian



WISE

Our history in short





All started from a laboratory experiment...

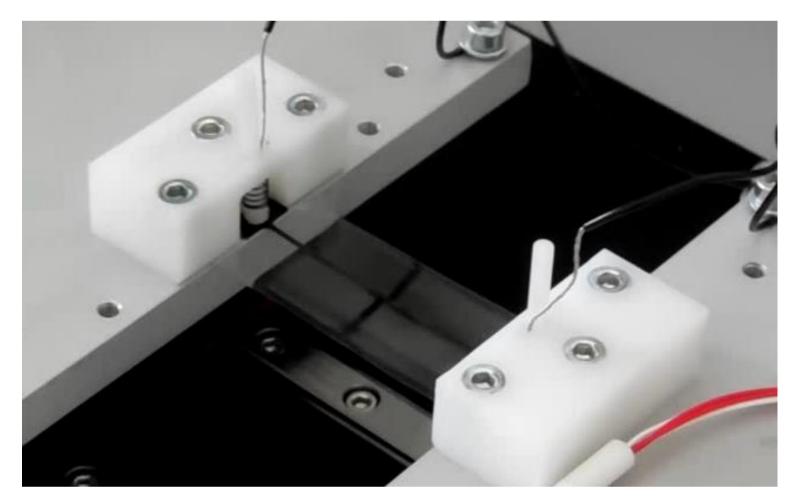




Prof. Paolo Milani research group



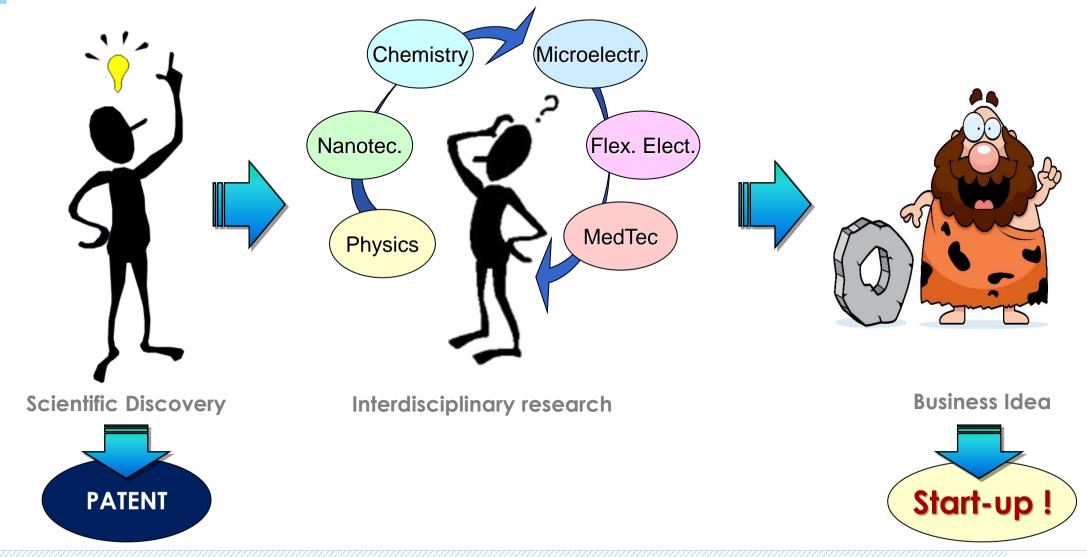
Electrical Stretchability



© No failure even after +1,000,000 strain cycles



From Discovery to Start-up





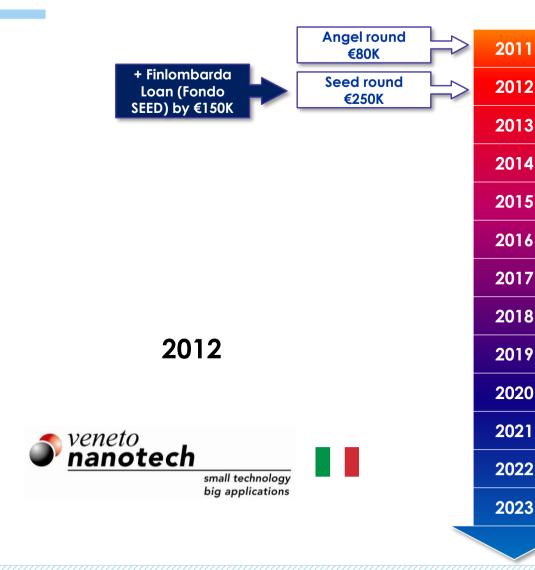
2011



Patenting & **Technology Consolidation**



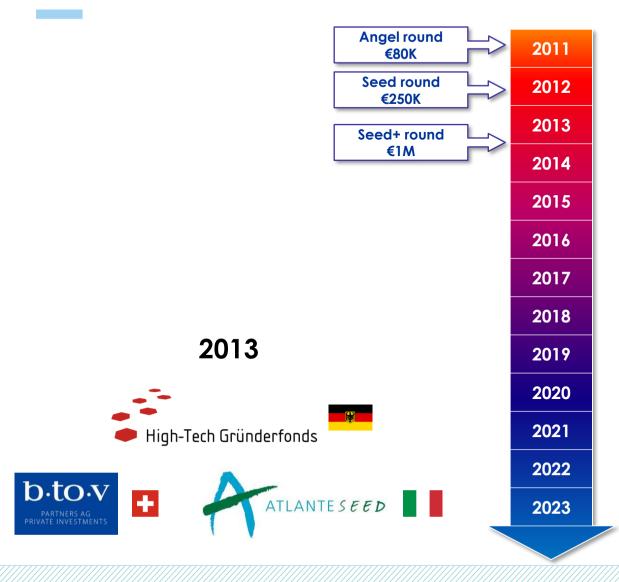




Patenting & Technology Consolidation



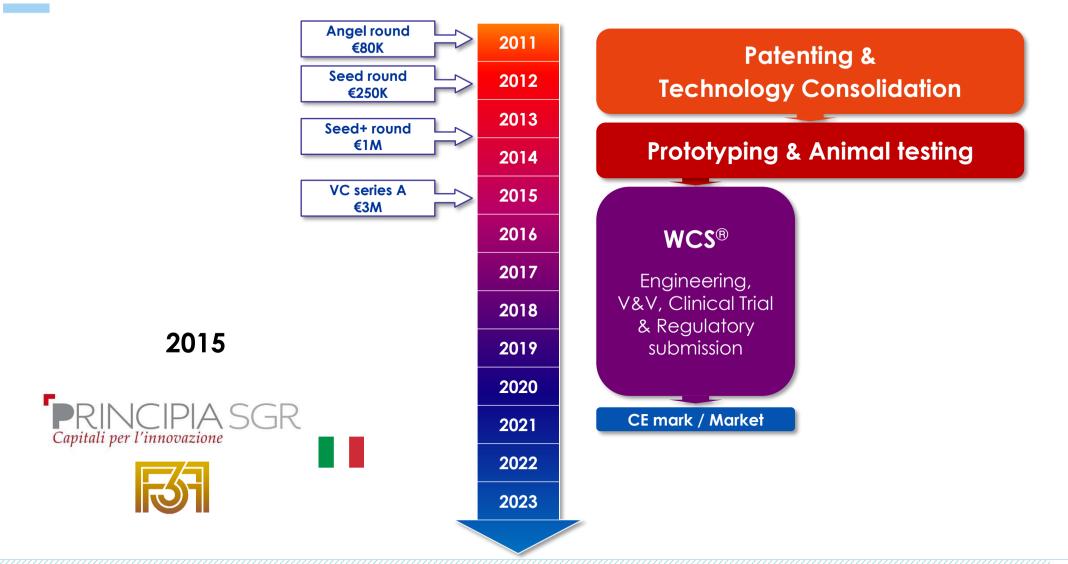




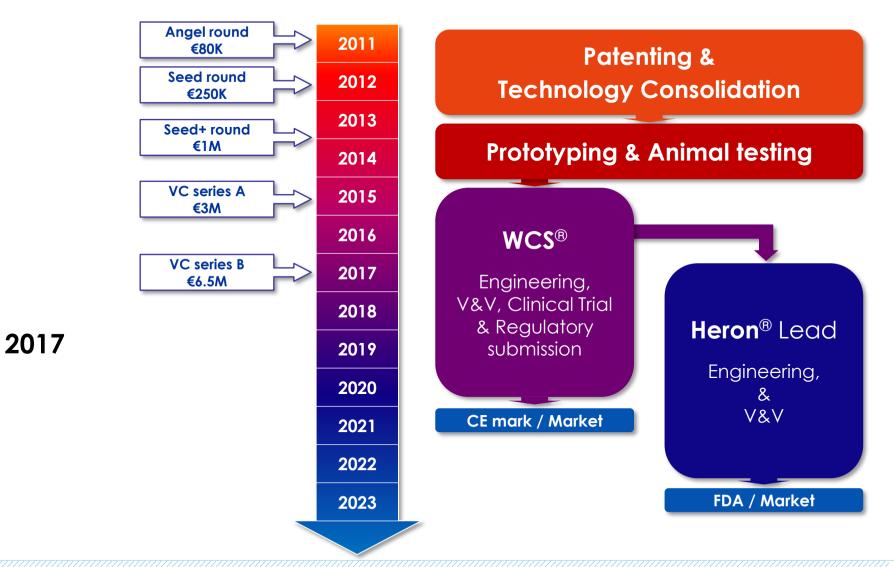
Patenting & Technology Consolidation

Prototyping & Animal testing

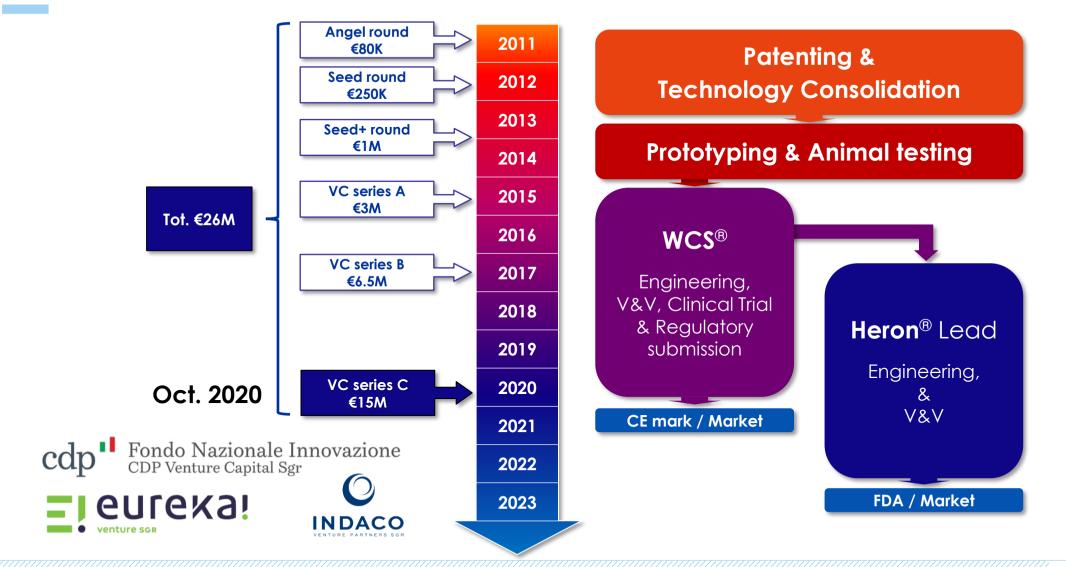














WISE

The pathway to VC: the Pitch





What is a Pitch?



A fishing hook

Its objectives are:

- to create interest and curiosity
- to select/attract the right investors (in terms of stage, business sector, etc...)
- to convince these investors to arrange a short non confidential meeting/call with you to learn more about the project



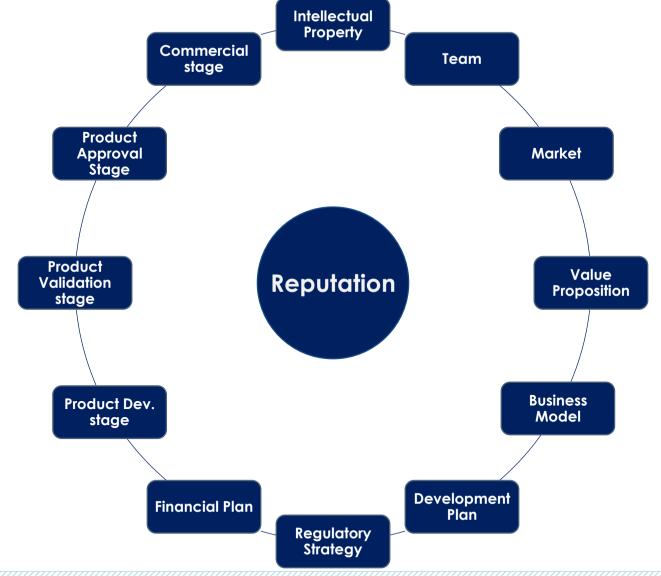
What are the key characteristics of a Pitch?

The Pitch should:

- be in English
- > contain short and clear messages
- > contain the **right information** with the **proper detail** and in the **right order**
- provide the feeling of authenticity => be careful in "filling forms" / don't use standardized formats => this is YOUR pitch
- be graphically nice, but the graphics shouldn't become the pitch subject
 it is not an art competition!
- be careful with videos



Basic ingredients





Different stages require different "Resolutions"

Basic details



Different stages require different "Resolutions" More details





Basic ingredients – Angel Round

	Angel Round
Company stage	Start-up phase
Round Size	10k - 200k
Round coverage	12 months
Reputation	15% - nice to have
Intellectual Property	100% - Core IP needs to be well protected by patent application(s) - well defined ownership by the company - broad claims coverage
Team	100% - the core team must show commitment and hungriness. Ok if some competences are missing
Market	80% - Market clearly identified, basic knowledge of size and competition
Value Proposition	70% - the KEY competitive advantages of the product have been identified
Business Model	50% - basic idea on the business model
Development Plan	40% - identified the key phases of the plan and timeline
Regulatory Strategy	20% - basic idea of the regulatory pathway (identification of the class of the device, CE mark? FDA?)
Financial Plan	20% - basic financials, focused on the costs in the next 12-24 months - perspective model of revenues
Product Dev. stage	15% - samples / concepts / sometimes a PREtotype
Product Validation stage	5% - in MD very unlikely
Product Approval Stage	0% - in MD if you have it you don't look for an Angel round
Commercial stage	0% - in MD if you have it you don't look for an Angel round





Basic ingredients – Seed Round

	Seed Round
Company stage	Prototyping
Round Size	150k - 500k
Round coverage	12-18 months
Reputation	80% - reputation becomes a key factor
Intellectual Property	100% - Core IP patenting process has to proceed smoothly
Team	100% - the core team must show commitment and hungriness. Most competences are in the team
Market	100% - advanced knowledge of market size & competition
Value Proposition	80% - the competitive advantages of the product have been identified
Business Model	80% - business model defined - with still some flexibility
Development Plan	60% - detailed GANTT of the development plan
Regulatory Strategy	60% - regulatory plan drafted
Financial Plan	60% - detailed financial plan covering all the development period - perspective model of revenues
Product Dev. stage	30% - "PREtotype" available
Product Validation stage	10% - Some functional test done in the lab
Product Approval Stage	0% - for an invasive product (50% in a class 1 or 2)
Commercial stage	0% - in MD if you have it you don't look for an Seed round





Basic ingredients – Late Seed

	Late Seed
Company stage	Advanced Prototyping
Round Size	400K - 1M
Round coverage	18-24 months
Reputation	90% - very relevant
Intellectual Property	100% - Core patents granted at least in some countries, secondary IP filed
Team	100% - the core team must show commitment and hungriness. Most competences are in the team
Market	100% - advanced knowledge of market size & competition - some interaction with key players
Value Proposition	100% - the competitive advantages of the product have been FULLY identified & confirmed by KOL
Business Model	100% - business model fully defined and frozen
Development Plan	80% - detailed plan with intermediate milestones
Regulatory Strategy	80% - regulatory plan developed and validated by external consultants
Financial Plan	80% - detailed financial plan covering all the development period - revenues & costs model
Product Dev. stage	40% - First Prototype
Product Validation stage	25% - Some functional test done in the lab or in small animal
Product Approval Stage	0% - for an invasive product (50% in a class 1 or 2)
Commercial stage	0% - in MD if you have it you don't look for an Seed round





Basic ingredients – VC round A

	VC round A
Company stage	Product development
Round Size	1M - 5M
Round coverage	24 months
Reputation	100% - must have
Intellectual Property	100% - Core patents fully granted in most of the coutries, secondary IP proceeding well
Team	100% - the core team must show commitment and hungriness. ALL the competences are in the team
Market	100% - advanced knowledge of market size & competition - interactions with some key players
Value Proposition	100% - the competitive advantages of the product have been fully identified & confirmed by KOL
Business Model	100% - business model fully defined and frozen
Development Plan	100% - detailed plan with intermediate milestones and external validation
Regulatory Strategy	100% - regulatory plan developed and validated. Definition of a clinical strategy (protocol endpoints)
Financial Plan	80% - detailed financial plan covering the development period and the market launch - advanced model for the production cost structure
Product Dev. stage	80% - product engineered
Product Validation stage	40% - Several functional tests done including small animals
Product Approval Stage	10% - not expected, very unlikely, obviusly strong plus if possessed
Commercial stage	20% - commercial strategy fully defined





Basic ingredients – VC round B

	VC round B
Company stage	Product (clinical) validation
Round Size	4M - 10M
Round coverage	24 months
Reputation	100% - must have
Intellectual Property	100% - Core patents fully granted , secondary IP proceeding well (some granted)
Team	100% - the core team must show commitment and hungriness. ALL the competences are in the team
Market	100% - advanced knowledge of market size & competition - interactions with most of the key players
Value Proposition	100% - the competitive advantages of the product have been extensively confirmed by KOL
Business Model	100% - business model fully defined and frozen
Development Plan	100% - detailed plan with intermediate milestones and external validation
Regulatory Strategy	100% - Clinical Study in preparation or started
Financial Plan	100% - detailed financial plan comprising the market launch – analysis of the production costs
Product Dev. stage	100% - core product frozen
Product Validation stage	100% - All bench tests done, preclinical trial on large animal completed. Clinical Study in preparation or started
Product Approval Stage	50% - Product approved nice to have
Commercial stage	40% - Interest from potential KOL to buy/try the product (also within the Clinical Trial)





Basic ingredients – VC round C

		VC round C
	Company stage	Market Launch
	Round Size	>10M
•	Round coverage	24-36 months
	Reputation	100% - must have
	Intellectual Property	100% - Core patents fully granted, secondary IP granted in most countries
	Team	100% - the core team must show commitment and hungriness. ALL the competences are in the team
	Market	100% - advanced knowledge of market size & competition – adv. interactions with most key players
	Value Proposition	100% - the competitive advantages of the product have been extensively confirmed by KOL
	Business Model	100% - business model fully defined and frozen
	Development Plan	100% - detailed plan with intermediate milestones and external validation
	Regulatory Strategy	100% - Clinical Validation completed. Technical File for submission to Notified Body completed.
	Financial Plan	100% - detailed financial plan covering the development period and the market launch - first revenues nice to have
	Product Dev. stage	100% - core product in production, new versions in development pipeline
	Product Validation stage	100% - Clinical trial completed. All other regulatory validations done.
	Product Approval Stage	80% - Product approved or in the process for approval.
	Commercial stage	80% - Preparative job for the product launch / first sales





Basic ingredients – VC round D, etc..

	VC round D, etc
Company stage	Market expansion
Round Size	>15M
Round coverage	24-36 months
Reputation	100% - must have
Intellectual Property	100% - Core patents fully granted, secondary IP granted in most countries
Team	100% - the core team must show commitment and hungriness. ALL the competences are in the team
Market	100% - advanced knowledge of market size & competition - advanced interactions with most of the key players
Value Proposition	100% - the competitive advantages of the product have been extensively confirmed by KOL
Business Model	100% - business model fully defined and frozen
Development Plan	100% - detailed plan with intermediate milestones and external validation
Regulatory Strategy	100% - Job concluded
Financial Plan	100% - detailed financial plan with future sales forecast - revenues evolution
Product Dev. stage	100% - ramp-up of core product production, new versions in development pipeline
Product Validation stage	100% - Post-market validation ongoing
Product Approval Stage	100% - Product approved at least in one region (EU/USA), approval process in other markets ongoing.
Commercial stage	100% - key requirement: demonstration of increasing sales traction





What is a Pitch?

The Pitch is a means, it is not an end





STRETCHING INNOVATION

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