Smart Glasses for instant light adaptation and protection ... – to improve the wearer's SAFETY & PERFORMANCE!

Transhuman Vision Enhancement System.







INOPTEC Innovation. Optics. Technology.

Unique proposition



- ✓ No competitors ...
 - INOPTEC's technology is many years ahead of any competition (regardless of patents).
- ✓ All patented ...
 - In addition to being the technology leader we have also monopolised everything!
- ✓ Urgent-need markets only ...
 - INOPTEC is not interested in producing any form of "nice to have gadgets" because there are many **urgent-need applications** for this technology.
- ✓ Customers are willing to pay "any price" ...
 - Migraine patients, for example, are willing to pay almost **any price** to avoid unbearable pain from light-triggered migraine attacks. And many other users need a solution too.
- Only announcement marketing is needed to start sales process:
 Due to an imbalance between the people in need (>100 Mio) and the number of items produced (3k, 7k, 20k, 40k, 80k, ...) only announcement marketing is needed to inform

clinic doctors, migraine groups, and other influencers => automatic sales process.

Problem I (daylight)



I. Rapidly changing light conditions:

When moving from sunlight into dark areas, e.g., into tunnels, or shady areas then, the human iris's

dark adaptation time is far too slow = 30 sec!



II. Impossible - but necessary - tasks:

Humans cannot see directly into the sun!

But when they need to read AR content outdoors against the sun, to operate machines, cars, and planes safely – they would need protection and novel

methods of contrast enhancement.

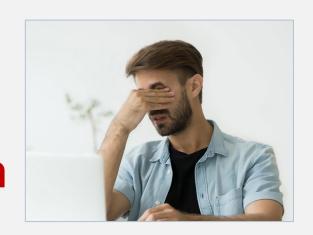
10% of fatal traffic accidents are due to glare!



III. Too much light can trigger painful migraine attacks:

Regular sunglasses are insufficient due to: fixed absorption

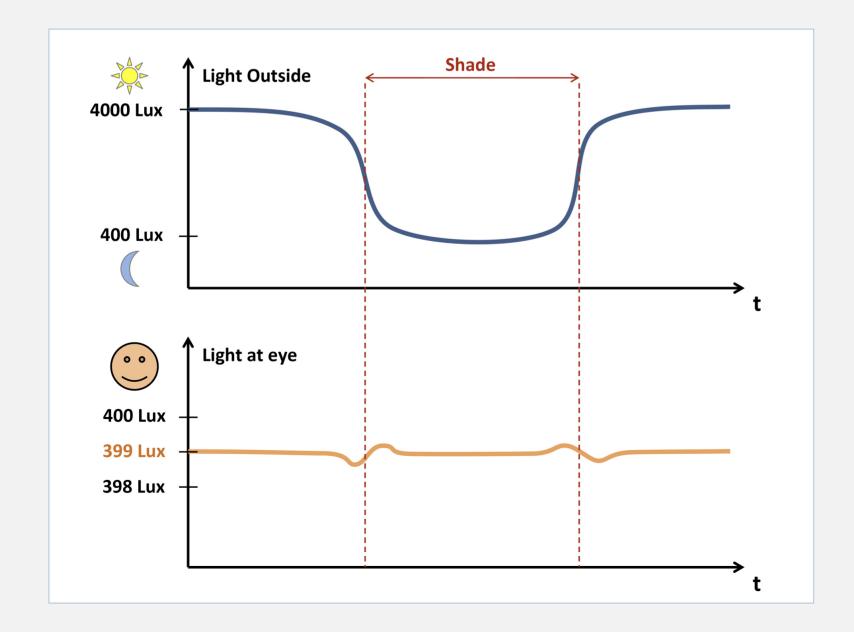
3% of the world urgently needs smart: dynamic absorption



Solution I (daylight)



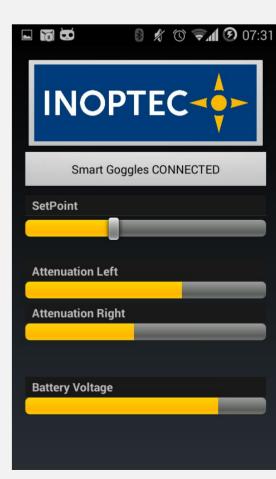
- Glasses react in "real-time" to <u>cancel out</u> ambient light changes.
 - Since the human iris opens too slowly, we need to keep it wide open (pre-prepared) for a dark tunnel.
 - This is done via <u>CONSTANT</u> illumination at the eye which acts like a medical fixation for the iris!
 - Think of "cruise control" on a car:
- constant 80mph no matter if the road goes up or down
- Hence, the system is sometimes called:
- the anti-noise for light <or> the cruise control for light
- In other words we have built an:
- external artificial iris!
- The result is a REDUCTION of the "felt" human iris adaptation TIME from 30 sec. \Longrightarrow 0 sec.



"set points"
(i.e., keep the illumination always constant at 400 Lx) can be selected via

be selected via Mobile App

Individual



Product & Advantage



Smart Glasses for instant light adaptation and protection ... to improve the wearer's SAFETY & PERFORMANCE.

The glasses will be sold B2C - and in combination with LED lamps for the night!





INOPTEC's transhuman Vision Enhancement System (VES) enables instant light adaptation & protection – day or night – under otherwise impossible viewing/light conditions.

The system <u>combines</u>: 'rapid adaptation in real time' (human iris reflex is too slow)
- and - 'contrast enhancement' (humans cannot see against the sun).

These "new human abilities" provide a huge safety & performance advantage for those who must safely operate vehicles, aeroplanes, machines, tools, computers etc.



Market Size 1a



Market entry (GTM): Health & Life Science

(a = typical)

Light sensitivity: Migraine, post-op, ... and much more lacktriangle

TAM: Migraine¹ market alone - potential worldwide: 70 million patients

SAM: Patients are "under treatment" - who suffer a lot: 30 million patients

SOM: 10% **SAM share**² within ca. 7 – 10 years: 3 million clients

Net selling **price**³ for the end customer: **600 EUR** lacktriangle

1800 Mio. EUR Revenue via feasible market share (3 Mio. x 600 EUR):

¹ source: Global Data – Global Drug forecast 2023 / American Migraine Foundation

² 10% of SAM = SOM is a value that can be reached within a market which has already been narrowed down to the smallest thinkable urgent-need target group. Since 'suffering migraine patients' need pain relief urgently, ultimately, the numbers could be a factor 3 higher: 30% of SAM = 9 Mio. patients = SOM = 5400 Mio. EUR.

³ At product launch, all smart goggles are the same, but later, the MedTech glasses will have additional features (e.g., edge-filter glass), hence a higher price than for sports.

Business Model



fabless startup = outsourced manufacturing **B2C** online scenario*:



Sell via: own online shop + web pre-sales like Kickstarter.

- ✓ 600 EUR accepted end consumer price!
- ✓ 200 EUR production price (COGS)

- □ 600 EUR 200 EUR COGS = 400 EUR gross margin (early phase)
- □ 500 EUR 100 EUR COGS = 400 EUR gross margin (later phase)

^{*} The B2C strategy is only for market entry, as this "independent route" is the safest and fastest way in an urgent need environment, especially when selling relatively small numbers (3k, 7k, 20k, 40k, 80k off) – and this also leads to high gross margins (profit maximisation right from the beginning), which will be used for further growth/expansion. However, later, we will add various B2B models, ranging from high-street retailers to cooperations with famous fashion brands and industry partners. For further information, please find the FULL Business Plan in the DD room, as this is just a short overview.

Technology MONOPOLY! INOPTEC

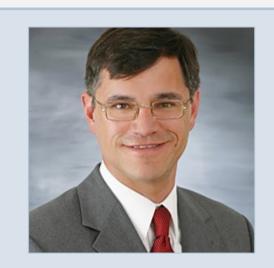


	INOPTEC (> 2017)	Polymer dye etc. (1990s)	Photochromic (1960s)	Conventional (1940s)	
Tint	dynamic	dynamic	dynamic	static	
Tint spectrum	continuous	2 discrete levels	continuous	1 discrete level	
Contrast ratio	100 – 1000 C	C	~ C	-	
Response time	1 ms	100 ms	~ 1 min	×	
Boost and fully control synched light		×	×	×	
Suppress unsynced light vs. sync.		×	×	×	
Future applications	ALL sorts of industry at DAY & NIGHT	×	×	✓	

Management Team*



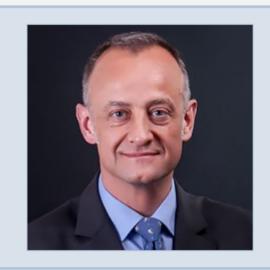
Thomas Fickel: (1962) BSc. EE German Armed Forces University,
 MBA Wales in Financial Controlling and Mathematics, independent
 financial advisor, mathematical market simulations (profit maxima.),
 LL.B., LL.M. legal advisor for financial contracts: CEO & Legal adv.



• Ralf G.J. Knoll: (1963) MSc. Phys. (DE), MSc. (UK), Formerly with CISCO, O2 Mobile, Fraunhofer, since the year 2000 as corporate consultant, innovation manager and company builder: EE, physics, optoelectronics, business economics. Inventor, founder: CTO & COO



• **Dr. Pierre A. Morgon:** (1963) Doctorate of Pharmacy, Master in Business Law MBA, Alumnus of INSEAD and IMD. Focus on medical applications as well as main contact for the med-tech industry regarding therapeutic and data collection appl.: **CSO (health tech)**



Wilhelm Scholze: (1963) Dipl.-Kfm., University of Augsburg, CEFA, CIIA. Formerly institutional Equity Sales and Vice President at Reuschel & Co. and Merck Finck & Co. / Investor & Biz-Angel and within Inoptec for Investor-Relations Communications: IR CCO [DE]



^{*}Only the "main examples" of the complete team – please visit our "about us" website to find more team members. | Purely operational staff (i.e.: online sales team) see DD room.

Management & R&D



Mark Sheerin: (1982) BA in English & Philosophy from UCD Dublin, currently head of the INOPTEC investor relations (IR) team in Ireland, where he also hosts events/roadshows including prototype demonstrations for interested partners: IR CCO [IE].



 Markus L. Buening: (1961) Dipl.-Kfm. Economy and Marketing, with more than a decade of experience within the specs market with RODENSTOCK, expert for sales and purchasing strategies and product management, focus on ophthalmology: CPO (RX lenses & retail)



• Christoph A. Mueller: (1975) Dipl.-Ing. (Photo Engineering and Media Technology), PMP®, PSM™II, Six Sigma Black Belt, formerly Senior Project Manager at LEICA, founder of MUELLER PM, focus on Project & Quality Management: Head of Project Management



R&D Team - Mechanical and Electrical:

• Martin Bayer: (1971) Mech. Design

• Wolfgang Gaerber: (1973) EE Digital

• **Dr. Joerg Gross:** (1970) EE Sensing







Traction I



EUR 1.3 Mio. have been invested in MVPs, demand analysis, and into 80 patents – backed by top CEOs/experts from the optics industry.

Find the shareholder list at the bottom of this website:

Market research and strategy development yielded:

Increase in share price since the beginning:

https://investors.inoptec.com

only urgent need markets!

400% due to IP assets & R&D

http://inoptec.com/about-us/ http://inoptec.com/news/ Functional models were demonstrated on various shows Startup among top 10 BAND / top 100 at Innovate UK





Edmund King OBE, president of the AA, said in INOPTEC's article in THE TIMES:

"Full beam lights do catch drivers out, particularly on rural roads where temporary blindness can be fatal. Technology to help drivers in all conditions should be encouraged."

Traction II



Vision enhancement effect has been demonstrated on public events - visitors and clients were impressed!



Daylight demo goggle levels out the glare from a light source.



Protected from the "sun" – but seeing everything.

Exhibitions:

- SPIE, Defense DDS, Baltimore, USA
- Google Campus, London, UK
- Wearable Tech Show, London, UK
- New Scientist Live, London, UK
- Innovate UK, Manchester, UK
- ILA Airshow, Berlin, DE
- BAND, Nuremberg, DE
- Biohacker, Stockholm, SE





Traction III / Next...



Past years: 1.3 Mio € invested = Patent assets & technology created

Next steps: Go To Market (GTM) investment of 2.0 Mio EUR

Finalisation of the product (1-4):

- 1) Electronic prototype: miniaturisation of PCB
- 2) Plastic prototype (fashion): improve designs
- 3) Merging Electronics & Plastics: collab. team
- 4) EU market certificates: CE/EMI via TÜV/BSI

Investment for steps 1-4: 0.8m EUR



Market entry (5-6):

5) Production: material cost 3000 off 0.6m EUR

Marketing & Sales: online store 0.2m EUR

Investment for steps 5-6: 0.8m EUR

(produced in EU, later US/Asia) (world or altern. EU/US first)

TOTAL investment:

1.6m EUR ~ 2.0 Mio. EUR (incl. buffer)

Timeline: Steps 1-4 = 9 to 14 months depending on simultaneous engineering (SE) process depth.

Steps 5-6 = 2 to 4 months

TOTAL: = 11 to 18 months

Financials & Funding



NOW OFFERING lucrative shares:

typically, via KCG holding, as this door is already open ... and optionally via INOPTEC (share classes can be created)

Investment status:	done	open	utilize Self-sustaining business: no more investments needed						
Million € [EUR]	past	now	build	Year 1	Year 2	Year 3	Year 4	Year 5	7-10 Years
Revenue	_	-	11-18	5	20	40	80	120	> 200 Mio.
EBIT	_	-	months	2.5	10	20	40	60	> 90 Mio.
Invest: from founder	0.2 + time								
Invest: BA into KCG holding	> 1.3	→ 0.8							
Invest: VC into INOPTEC		2 በ ←							

Offering co-ownership for

Biz-Angels / Suppliers / Brands /
Family offices / Strategic Investors / etc.
Here at KCG, ownership of "everything",
including valuable patent assets.

20k up to 800k EUR / tranche

Please find the complete **Financial Plan** as an **Excel sheet** in the Due Diligence data room. | Hence, please note: **The "complete Business Plan"** is a **combination** of this PPT <and> additional documents in the DD data room.

Offering co-ownership in INOPTEC Companies!

If an investor wants to create his "own subsidiary" please contact us.

Either way, whether the investment comes in via INOPTEC or KCG, ultimately, we need only 2.8 Mio €

ROI for Co-Owners



Seed Fund: KCG is offering an ROI > 10-fold via highly discounted shares, including safety net (refund via LP)



for individuals / angels / companies / e.g., supply firms, distributors, brands, etc.

<u>Higher & safer returns</u> than normal – in exchange for EARLY investments into KCG:

1)	For moving	in earlier than	VCs. PE. 6	etc. = lower sha	are price =>	30-60% discount
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- 2) Diversified portfolio via 1-3 daughters: much safer & higher ROI => 1-3 times higher ROI
- 3) Safety net: 5yr money-back guarantee + X via asset-based LP(1) => LP = 20% p.a. accum.
- 4) Freedom for BAs and VCs, no lock-up periods / right to trade => sell any time
- 5) Protection from the interest of the VCs and the BAs =>
- 6) KCG hosts shareholder networking and co-marketing events =>
- 7) Comfortable exit scenarios with <u>automatic profit distribution (2) = > 0</u>

legal separation

self-supporting tribe

no need to sell shares

Company Articles are publicly accessible via the Companies House GOV.UK website => very transparent and fair financial processes => no hidden shareholder side letters => equal rights, equal treatment, etc.

Investor FAQ at the bottom of: https://investors.inoptec.com/ | More info and links to GOV.UK: https://knollcapitalgroup.com

Worst-case scenario: investors can get their money back (20%x5yrs=100%) in rank 1 via patent/asset liquidation.

The mere ownership of the share entitles the owner to get "available profits distributed" according to the §§ Company Articles! => No need to sell shares! => Feels like owning an open-end evergreen fund!

Contact

Munich - Cambridge - Dublin

Websites:

General:
Applications & Tech:

HQ EUROPE:

KCG Holding (Fund):

https://inoptec.com/contact/
https://investors.inoptec.com/

https://inoptecgroupireland.ie/

https://knollcapitalgroup.com/

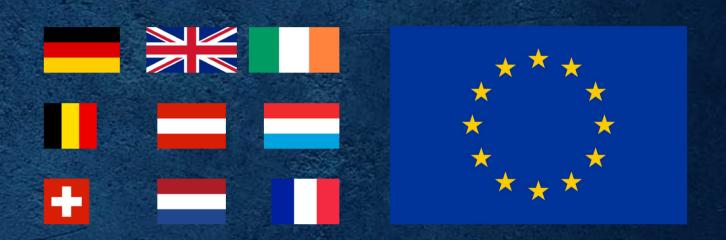
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OR DESIGN OR BUSINESS RESULTS OR OTHERWISE.

