Pitch the way VCs think

presenting powerpoint with emotion...



Start: Everything you want to say

Reasons to Invest

Reasons to NOT invest (risks)

Data/Technology

- · First provider of video
- Low-cost gizmos enable locations to be monitored on a weekly basis, impossible with current technology
- · Will be able to image anywhere within 90 minutes, no capability exists to do so in less than a day
- · Will be able to downlink imagery every two weeks, nearly 10x competitors of today
- · Business intelligence will lead a transition from mapping to monitoring
- Exponential increase in customer base
- Can launch latest advanced commercial electronics into space 5x faster than competitors
- Designed world's highest performance gizmo with data costs less than 1/20 that of competitors
- Developed proprietary designs for world's lowest cost gizmo system

Business

- High barrier to entry for potential competitors (technology, regulatory, capex, specialized experience)
- A \$4.5M gizmo has the capacity to generate \$60M+ in revenue over its 2 year lifetime

Initial market

- Currently a \$1.5B+ addressable market
- Today's two providers operate at software-like gross margins
- Positive response from lead customers with deep pockets (Google, Microsoft, oil & gas sector)
- Will be cash flow positive off first gizmo(2013)

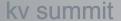
Huge potential market

- Today, X is a \$1.5B market, Y is a \$3B market, and Z is a \$6-8B market, Gizmo will revolutionize all 3
- Automate monitoring of land, vehicles, infrastructure & facilities (billions of dollars annually)
- · Market research reports have consistent potential for gizmo to be a \$10B industry

Team

- · Gizmo team among world experts in microsatellite technology
- · Unique combination of silicon valley start-up experience with strong Stanford ties

- · Launch vehicle delay or failure
- · 1 fails before 2 year design lifetime
- · US Government regulation
- · Customer product requirements mandate scope creep & cost increases
- Technology development results in cost increases & delays
- · Delay in recruiting remainder of team
- · Large information product market fails to materialize
- Anchor customers reduce data budgets
- · Actual images fail to meet lead customer requirements
- Competitors match Gizmo's low commercial pricing
- Lower cost monitoring solutions materialize
- Payload supplier can't deliver on time/on budget
- Automated analysis capabilities require more time/effort to implement than anticipated
- US Government commissions similar to Gizmo
- Gizmo security compromised
- · Foreign government competes with Gizmo



Start: Narrow to the 3-5 "takeaways"

Reasons to Invest

- 1. \$10m gizmo generates \$60m high margin revenue; (wow!, greed)
- 2. Low risk, very low capex approach to rapit & extensive monitoring: [10X data aver competitors]
- 3. Proprietary high data rate system = 95% lower data costs; 900% more data [technical advantage]
- 4. Revolutionizing \$1.5 beetsing, \$3b GIS, \$6b BI markets (large existing, huge potential markets)
- 5. First gizmo = cash flow positive company (Easy economics if we get to stage 1 we're there)

O Start: Plan to address investor fears!

Reasons to NOT Invest

- 1. Contingency for delay or failure
- 2. Gizmo fails by ore 2 year drain Wetime
- 3. Technology development delays & cost increases
- 4. Automatechska ysis technology visks
- 5. Large information product market fails to materialize

O Start: Budget your presentation (20-25 slides)

Reasons to Invest

- 1. \$10m gizmo generates \$60m high margin revenue; [1]
- 2. Low risk, very low capex approach to rapid & extensive monitoring: 10X data over competitors [3]
- 3. Proprietary high data rate system = 95% lower data costs; 900% more data (3)
- 4. Revolutionizing \$1.5 sensing, \$3b GIS, \$6b BI markets + new potential (4); Competition (1)
- 5. First gizmo = cash flow positive company [2]



Start: Budget your presentation (20-25 slides)

Other Information & MESSAGES

- 1. Risks [3] well planned for contingencies
- 2. Team [1] very good but "additional needs"
- 3. Financials (3) upside revenue, reasonable cash flows, capex, low burn rate
- 4. Others (1) what you deliver with each Series? Contingencies?

Start: Unbudgeted backup

Have a backup slide

for every question you might encounter!

... impressive to know presenter has thought of all the questions

O Start: Rules and tips

- 1. No clutter: where does the eye go first?
- 2. Don't go to the edges; don't clutter or mix messages
- 3. Examine every word, picture, bullet. Is it necessary?
- 4. Single line "de-worded" uncluttered messages: titles, bullets...
- 5. How will each slide, be perceived? In 5 seconds?
- 6. Superlatives don't mean anything. "Show" DON'T "Tell"
- 7. Start with an agenda and repeat where you are in agenda

• Follow VC's thought process

- a. Mission what pain does company alleviate
- b. Reasons to invest
- c. Risks and mitigation strategies
- d. Team: how good?
- e. Financials with cash flow: how dangerous?
- f. Appendix: answers to all the critical questions

Remember (exceptions happen)

When Song & Schwarz presented "exercise instructions" in Arial, readers guessed that the exercise would take 8.2 minutes to complete. When presented the identical instructions in Brush Script MT, they guessed it would take 15.1 minutes. Plus they were more willing to incorporate the Arial-presented exercise into their daily routine.

Implication:

If we want people to adopt a new behavior, the instructions don't just need to be semantically clear, they also need to be visually easy to read, otherwise the behavior will seem too demanding

kv summit 1

Consistency

Make all numbers match

Verbal descriptions should be consistent

Details tied through appendix

Consistent P&L

State the problem clearly:

Glucose Monitors Today



- Strips
 - Type 1 (need 8-10/day; test 2-4/day)
 - Type 2 (need 1-2/day; test 2-4/week)
 - \$8B spend annually; CAGR 5.3%



- Continuous Monitoring
 - reimbursed only for Type 1 (\$5K/yr)
 - semi-invasive
 - 2-4 strips still required for daily calibration
 - Sensors replaced 3 or 7 days
 - Medtronic, Dexcom, Abbot (~200M)
 - skin infections









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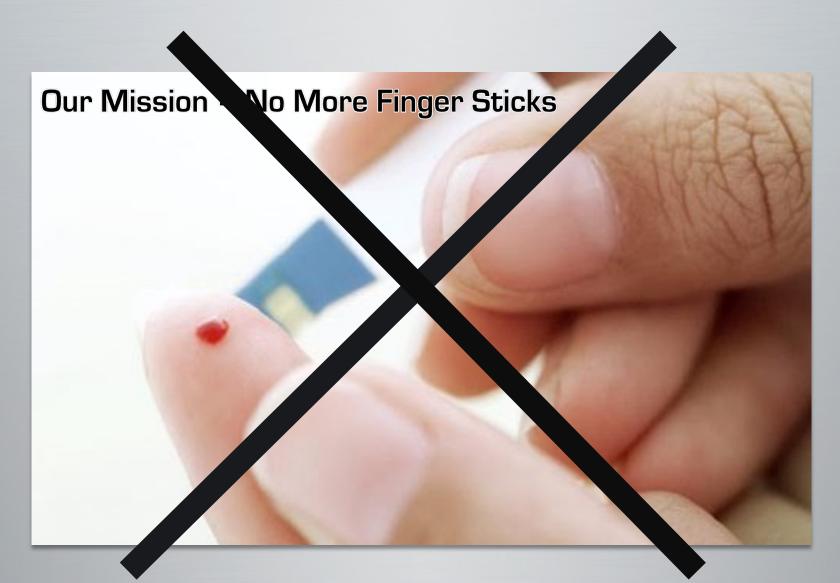
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State the problem clearly: decent



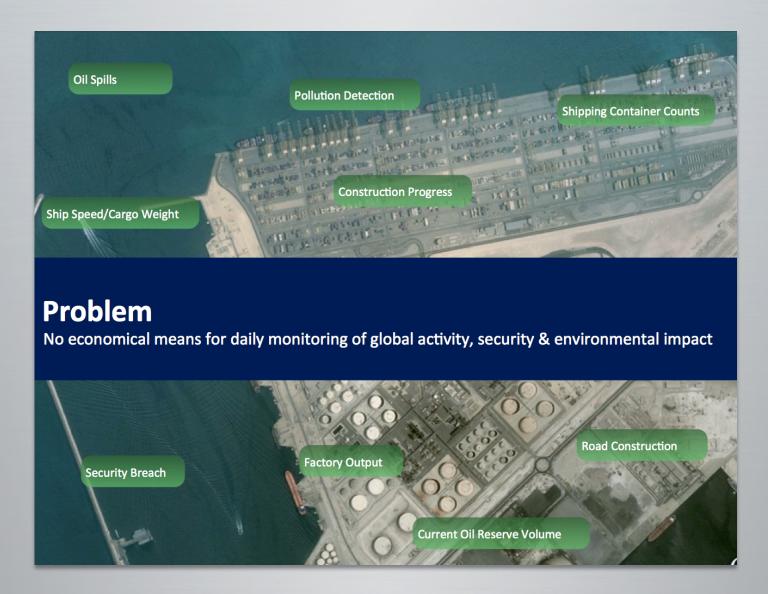
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The visceral punch?



1

State the problem clearly





Ideal Energy Storage

- Dispatchable electricity for \$50 / kWhr and \$500 / kW
- Deployable anywhere
- Emissions-free: No fossil fuels
- Scalable from kilowatts to megawatts
- Store and deliver energy in any form



Reasons to invest in Zyomed

Only solution to a critical need for 362M chronic diabetics

Silicon-realizable invention cuts across all glycemic use-cases

Skeptical evaluation team concludes: "shockingly good results"

Team with strong science & area expertise

\$8m to device protoype & science validation in multi-center trials

Easy path to Series C & billion dollar market







Reasons to invest in Zyomed

Only solution to a critical need for 362M chronic diabetics

Technology: Silicon-realizable invention for all glycemic use-cases

Skeptical evaluation team concludes: "shockingly good results"

Team with strong science & area expertise

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Easy path to Series C & billion dollar market

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Gizmo: \$10m gizmo generates \$60m high margin revenue

Low capex, frequent & extensive earth monitoring: 10X more

<u>Proprietary</u> high rate system = 95% lower data costs; 900% more data

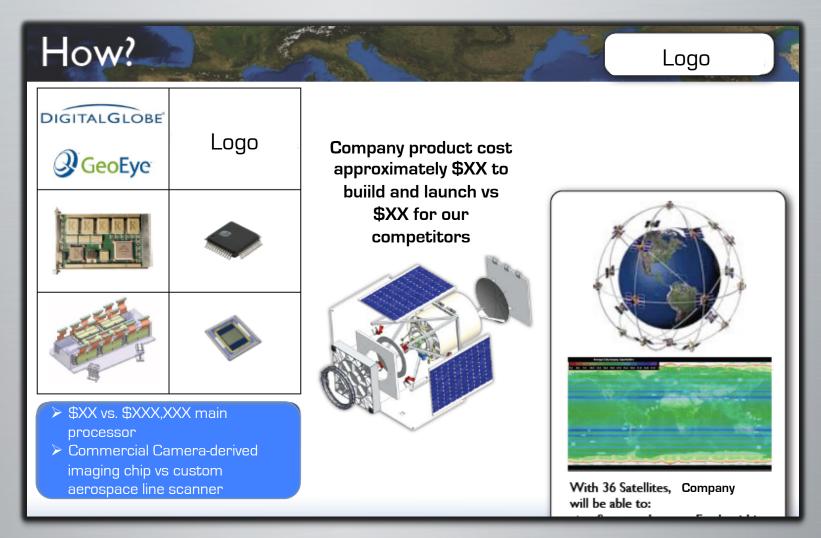
Disrupt \$1.5b sensing, \$3b GIS, \$6b BI markets PLUS massive potential

First gizmo = cash flow positive company

Risk management strategy planned

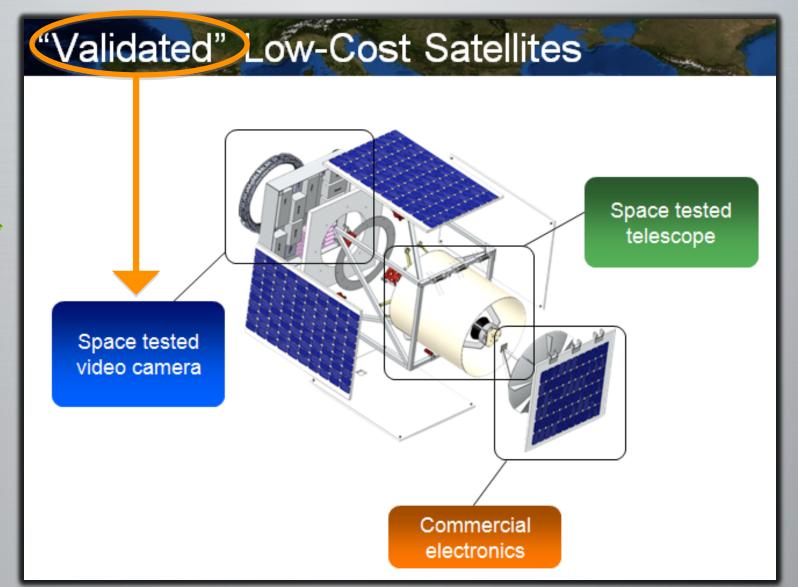
Team: engineered to address key risks

3 One key message per slide

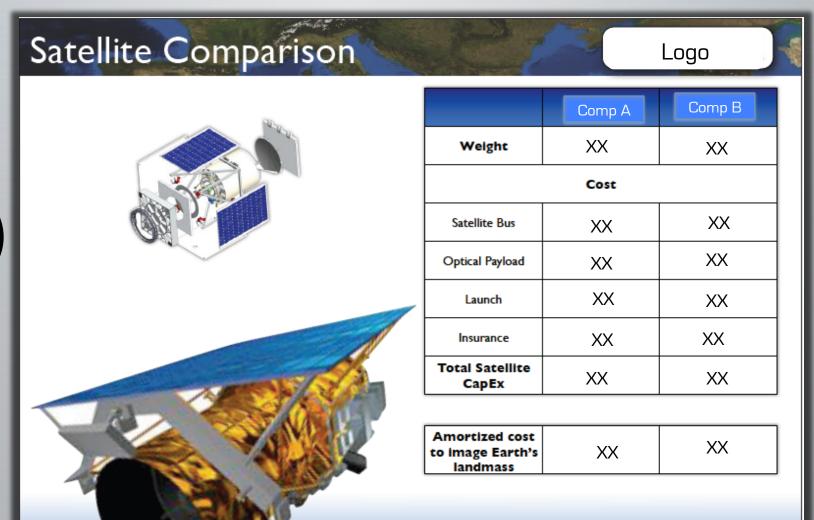




3 One key "emotional" message per slide



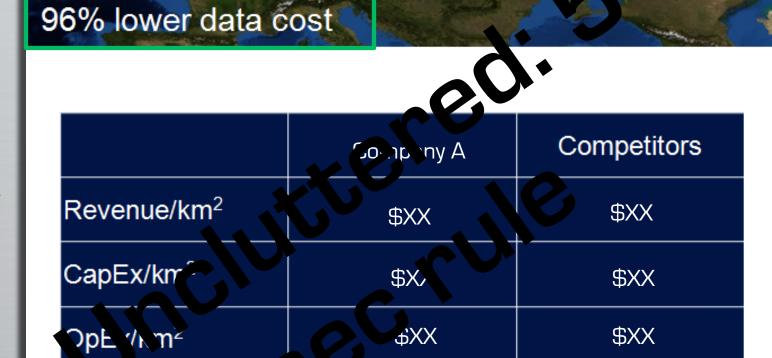








Total Cost/km²



\$XX



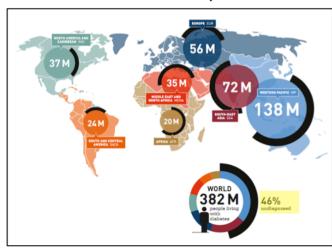
\$XX



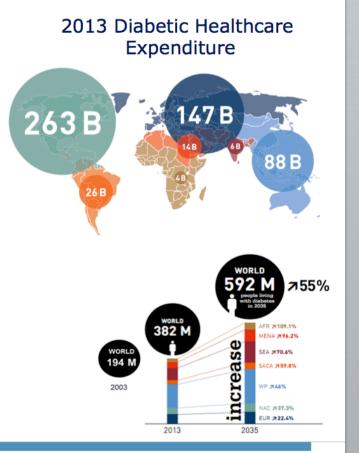
Diabetes Problem



2013 Diabetic Population



- Pandemic due to
 - · poor diagnosis rates
 - lack of blood glucose control
- \$548B 2013 US costs for diabetes
 & related complications



Sou

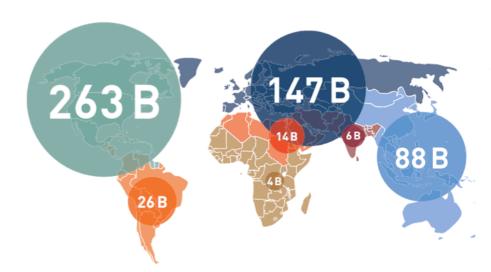
Source: International Diabetes Federation: Diabetes Atlas 2013

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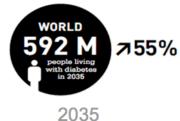




Pandemic diabetes growth; massive \$560B spend today!



\$\$\$ Spend



WORLD 194 M 2003

2013

Diabetics Population Growth

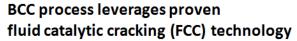
Source: International Diabetes Federation: Diabetes Atlas 2013.

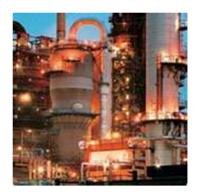


De-word! 25 word rule + Single line title rule!

The production process combines a proven technology with a proprietary catalyst







- The FCC unit is the most important conversion unit in a refinery
- FCC technology has been in operation in refineries for over 60 years and produces over 50 billion gallons of gasoline annually
- Well-known scale up and cost
- · Minimal retrofit for biomass feed

KiOR uses a novel and proprietary catalyst in its BCC process

- KiOR has spent over 2 years developing, testing, and manufacturing its proprietary catalyst
- The catalyst is feedstock flexible with virtually any source of biomass



 It is lower cost and simpler to produce versus a traditional FCC catalyst

KiOR is currently proving the viability of its BCC process at a demonstration facility which can produce 15 barrels of renewable crude per day from woodchips



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No extra words: less is more!



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No extra words, no extra colors, lines, boxes!

Study – Enabling 2 Unmet Needs



GLYCEMIC WELLNESS (worried well/obese/prediabetics)

Range Prediction Alg.

– Red: <80mg</p>

Green: between 80 - 180mg/dl

– Yellow: >180mg/dl

HBA1C testing OGTT (if warranted by PCP)

ENDGAME

Wearables

- watch, jewelry
- arm-band
- headband
- glasses

GLUCOSE MONITORING (Type-1 & Type-2)

Glucose Value Prediction

BGL: 221 mg/dl

Rate: +1.82mgl/dl/min

Replace both current CGMS and Finger Stick Meters Feedback control of insulin pumps

- smart-phone form factor
- clip-on units
- Integrated with pumps



watch

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No extra words, less is more!

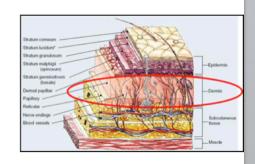
Ultimate Challenge



- Non-invasive glucose monitoring unsolved for 40 years
 - many have tried (C8, J&J, Abbott, InLight, Sensys,....)
- Thru skin challenge for optical methods

.01%-.1% of signal intensity changes due to glucose variations

99.99%-99.9% signal variation in feature intensities due to tissue scattering, variable diffusion, patient's variability



- glucose drowned in interference
 - required signal-to-clutter enhancement 4 to 5 orders of magnitude
 - outside reach of conventional signal processing

Extremely High Technical Barrier



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No extra words, simplify complexity!



Optical non-invasive problem: Unsolved for 40 years

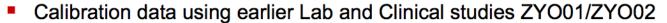


No extra words, simplify complexity!

Clinical Trial Results



- Human IRB Clinical Study at Sansum Diabetes Hospital, Santa Barbara
- Blinded Trial (ZYO03) July '13 Feb '14
 - 9 Type 1 diabetic; most on insulin pumps
 - daily life cycle with no control of food or insulin administration
 - 8-10 hours of data acquisition on two visits (18 total visits)
 - non-invasive measurement at 15-20 min. intervals (~30/day)
 - compared with invasive Finger Stick, Alternate Site & FDA-approved CGMS



- 11 unblinded Type 1 visits scored with strong, partial and poor tracking
- acquired with different instrument configuration and NIR detector
- Oct '12-thru May '13 vintage



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No extra words, simplify complexity!



Achievement Better than FDA Approved Devices

ZYOMED: 12.4% best in class!

Medtronic: Published MARD: 16%

Dexcom: Published MARD: 13-16%

Aggregated 1	Error ⁴		
Sensors	Pairs	MARD (SD)	Median
7193	90,472	15.89 (16.86) 18.14 (17.48)	11.56 11.65

Table 1. Comparisons of Performance Metrics Between the Dexcom G4 Platinum and SEVEN PLUS Systems							
Parameter	DG4P	DSP	P value				
Sensors (n)	108	67					
Number of samples paired with reference (YSI)	13,538	1,827	_				
%20/20 mg/dL	82%	76%	< 0.0001				
MAD (mg/dL)	21	25	< 0.0001				
MARD	13%	16%	< 0.0001				

Human IRB clinical studies at Sansum Diabetes Hospital



Bottoms up market projection, not top down







Bottoms up market projection, not top down



	20.0	2 11	2012	2013
Worldwide widget shipments	₊ 50	525	600	675
Installed base of widgets	1,300	1,565	1,852	2,157
Widgets with expansion port shippe	70	5	250	375
Widgets with semi-link shipper of nes	2	196	407	700
% that can be update.	19/	15%	20%	25%
Number of updates per year		1.5	2	2.5
Price/update	\$5.00	\$5.00	\$4.00	\$3.50
Annual Opportunity	\$35	\$221	\$651	\$1,532

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Financials: 7 rows maximum



(\$000)	2009	Q1 2010	Q2 2010	Q3 2010	Q4 2010	2010	Q1 2011	Q2 2011	Q3 2011	Q4 2011	2011
Unaudited	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast.	Forecast.	Forecast	Forecast
Revenue	333					33					1000000
Aftermarket Modules	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2500.0	2500.0
License/NRE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2500.0	0.0	2500.0
Total Revenue	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2500.0	2500.0	5000.0
Gross Margin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2500.0	2500.0	5000.0
GM Percent	NA	NA	NA	NA	NA	NA	NA	NA	100%	100%	100%
Expenses											
Compensation											
R&D	2147.5	662.0	757.8	972.0	1074.3	3466.1	1196.0	1324.0	1400.0	1500.0	5420.0
Marketing & BD	0.0	0.0	60.0	120.0	200.0	380.0	240.1	300.0	325.0	340.0	1205.1
GBA	303.5	100.3	96.3	115.0	125.0	436.6	125.0	125.0	135.0	140.0	525.0
0.07 (
Total Compensation	2451.0	762.3	914.1	1207.0	1399.3	4282.7	1561.1	1749.0	1860.0	1980.0	7150.1
Benefits	486.4	102.0	228.5	301.8	349.8	982.1	390.3	437.3	465.0	495.0	1787.5
Consulting	594.4	211.0	117.0	117.0	117.0	562.0	117.0	117.0	117.0	117.0	468.0
Depreciation	175.3	56.6	106.4	127.7	148.9	449.6	165.0	180.0	205.0	230.0	780.0
Other Expenses	1057.2	216.4	376.0	385.0	407.6	1385.0	451.5	451.5	455.0	455.0	1813.0
5. N. S. C.			2200000	C01010101			C10101010	(*)			
Total Expenses	4764.3	1358.3	1742.0	2138.5	2422.6	7661.4	2684.9	2934.8	3102.0	3277.0	11998.6
Less: Patent Capitalization	-262.1	-47.6	-75.0	-75.0	-75.0	-272.6	-75.0	-75.0	-75.0	-75.0	-300.0
-		********		*********				********			
Net Operating Expenses	4502.2	1310.7	1667.0	2063.5	2347.6	7388.8	2609.9	2859.8	3027.0	3202.0	11698.6
Net Operating Margin	-4502.2	-1310.7	-1667.0	-2063.5	-2347.6	-7388.8	-2609.9	-2859.8	-527.0	-702.0	-6698.6
Ending Headcount	21	21	30	40	45	45	50	55	60	60	60
Capital Expenditures	-477.1	-156.4	-370.0	-370.0	-370.0	-1266.4	-370.0	-370.0	-370.0	-370.0	-1480.0
Other Expenditures/Accruals	-172.8	62.0	0.0	0.0	0.0	62.0	0.0	0.0	0.0	0.0	0.0
Interest Income	33.6	0.0	2.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
Cash Beginning	7891.7	2682.8	1296.7	15793.1	13413.3	2682.8	10769.6	7879.7	4755.0	3988.0	10769.6
Cash Burn	-5205.3	-1386.1	-2003.6	-2379.8	-2643.7	-8413.2	-2889.9	-3124.8	-767.0	-917.0	-7698.6
Investment - Net	-3.6	0.0	16500.0	0.0	0.0	16500.0	0.0	0.0	0.0	0.0	0.0
		*******									*******
Cash Ending	2682.8	1296.7	15793.1	13413.3	10769.6	10769.6	7879.7	4755.0	3988.0	3071.0	3071.0
STATE OF STA	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====



7 Financials: 7 rows maximum



	Q3'10	Q4'10	Q1'11	Q2'11	Q3'11	Q4'11	Q1'12	Q2'12	Q3'12	Q4'12
Revenue	-	-	-	-		٠		-	950	2,400
cogs	-	-	-	-	-		36	36	550	550
ОрЕх	2,083	3,432	1,679	2,851	2,075	1,604	1,906	1,588	731	1,751
EBITDA	-2,141	-3,489	-1,729	-2,845	-2,129	-1,581	-1,950	-1,459	-394	78
Cash Flow	25,113	-767	-1,021	-1,600	-433	-307	-1,575	-32	-1,061	-273
Capex	2,355	867	1,116	1,509	255	182	1,396	-	785	21

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7 Financials: 7 rows maximum



(\$'000s)	2010 (0)	2011 (0)	2012 (2)	2013 (2)	2014 (6)	2015 (6)
Revenue	0	0	2,800	25,100	79,200	161,100
COGS	300	1,800	4,600	9,200	16,200	21,300
SG&A R&D	6,800	9,900	6,700	10,800	18,000	28,900
Operating Income	-7,100	-11,700	-8,400	5,100	45,000	110,900
Financing Activity	16,000	26,000	0	0	0	0
EOY Cash	11,400	22,100	5,000	4,700	26,400	89,200

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8 Is this team strong?



John Smith Chief Executive Officer

John Smith Chief Technology Officer

John Smith Chief Marketing Officer

John Smith Director

John Smith Director

Current Company Headcount: 13

Team Backgrounds









Space Mission Experience









State why team is strong?



John Smith | CEO/Co-Founder

- O PhD optimal design of spacecraft (NASA/Stanford)
- O Space shuttle operations (NASA)

John Smith | CTO/Co-Founder

- O Co-founded microsatellite communications manufacturer
- O Program Manager, Stanford Space Systems Laboratory

John Smith | VP Government/Co-Founder

- O National Reconnaissance Office: Program Manager
- O Stanford University (MBA '09), MIT (MS EE/CS '01)

John Smith | Director, Image Processing

- O PhD Efficient Multiframe Superresolution Enhancement
- O 13 patents in image processing and enhancement



Risk management

Proactive risk mitigation

	Risk	Mitigation		
Satellite	 Optic over time & budget Satellite build delayed past launch window Satellite fails to initialize on-orbit Satellite fails to meet 2 year lifetime 	Firm-fixed price contract 2-4. Second satellite built and launched 6 months after first [Dependent on incremental Series B funding]		
Regulatory	FCC licensing Export license denial (launch)	2 pre-consultations completed, govt-centric board member Top-tier regulatory attorneys		
Launch	Launch provider delay Launch failure	 Second launch slot 6 months following first [Dependent on incremental Series B funding] ⇒ Insured launch, second satellite built, launched in 6 months [Dependent on incremental Series B funding] 		
Team	Hiring: technical team Hiring: executive level	Extensive technical network Current recruiter relationships		
Market	Conditional contracts fail to materialize Image quality doesn't meet user needs	Meetings with lead customers T-24 months from launch Optic provider track record		



The ask, the delivered and the deliverable...

Funding History & Milestones



Round	Series A	Series A-1	Today
DATE	Aug. 2010	Oct. 2011	April 2014
Status	Viewgraph - fresh approach	Demonstrated 1mg/dl glucose detection sensitivity in blood - in-vitro - used 3 rd party FDA dataset	Invented Spectroscopic Tomography CT-scan equivalent for non-invasive biochemistry Universal Calibration Built-platform; Proved in lab Clinical Human Study – MARD of 12.5% in blinded Type 1 patient study with external PI Demonstrated better accuracy over FDA approved CGMS Path to approval for diabetics Path for Miniaturization – consumer & diabetic products Business validation – Samsung due diligence for consumer glucose watch collaboration
	Team – 1.5 FTE		Gene Pool Team – 19 (10 FTE + 9 consultants)
Pre-Money Valuation	\$2M	\$7M	
Investment \$	\$1M	\$3M	



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The ask, the delivered and the deliverable...

\$xx m Series B deliverables...

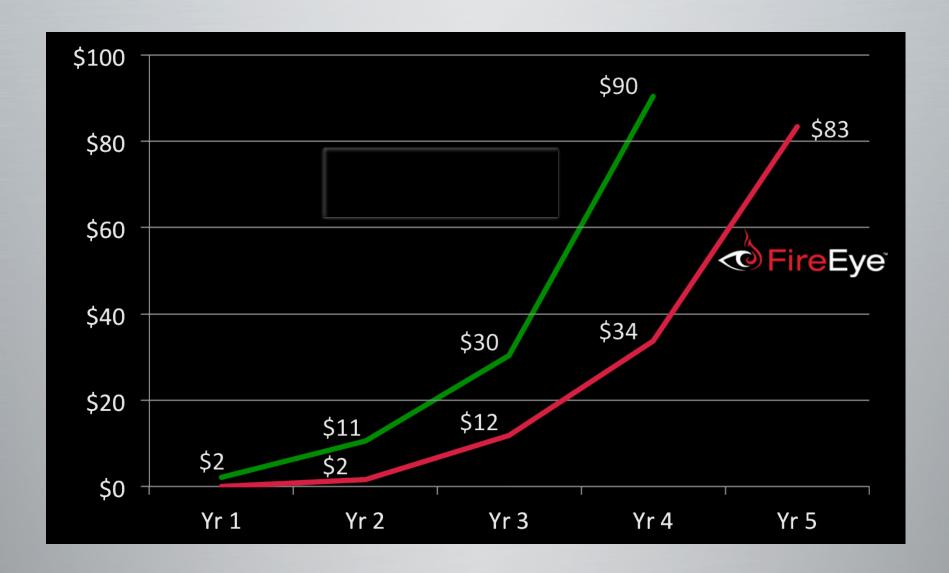
	Completed	Series B	Post Series B
Product	Designed	In Space	Scaled to Constellation
Regulatory	NOAA License Granted	FCC License Granted	Constellation Licensing
Launch	3 quotes obtained	Launch Contract/Launch	Constellation Launch
Market Adoption	Google/Microsoft/Oil & Gas/US Government Deep Dives	Initial Revenue	Scale
New Applications	250 Interviews Completed	Beta Testing	Scale

30

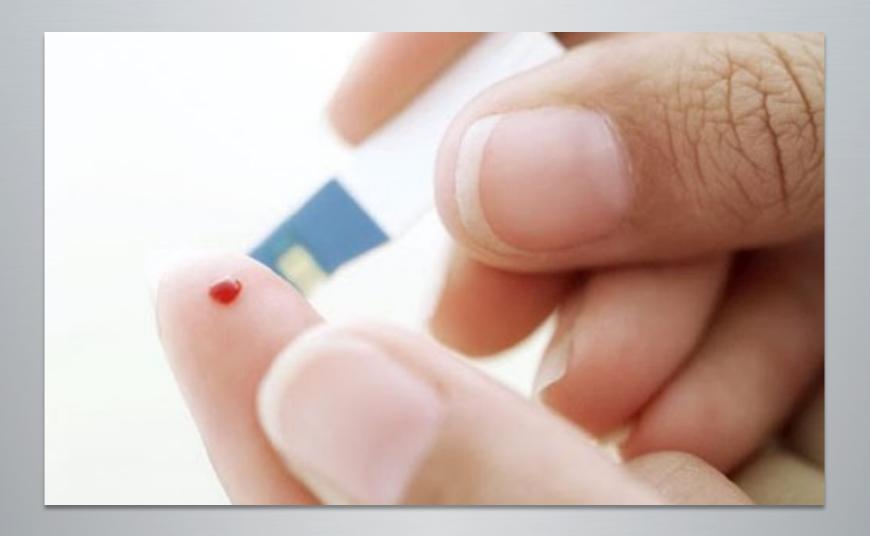
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Analogies help

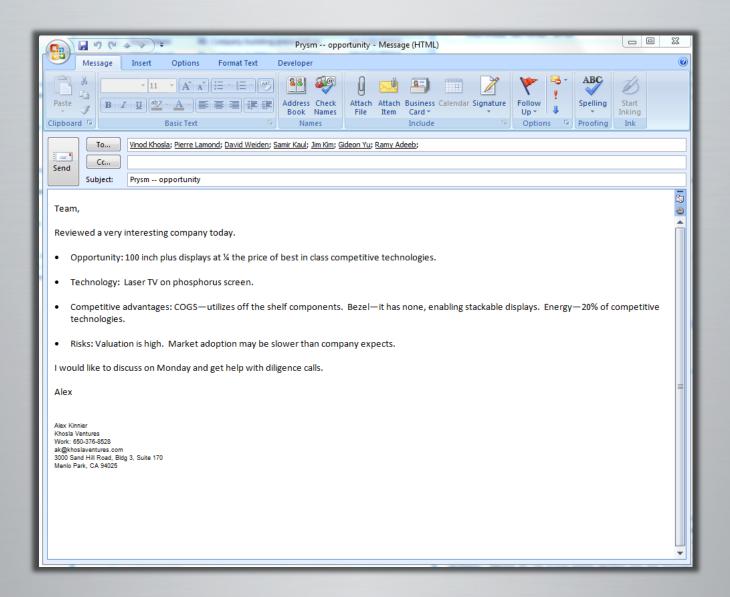


11 Finish with a flourish!



12

Engineer the investor's "email"



Message sent is not the same as message received

Top dozen Powerpoint rules

State the problem; Emotion over details

Title should be a message (e.g. "massive market") not a topic (e.g. "Market")

If the slide is on a screen for 5 seconds what would viewer take away from the slide?

When slide is flashed up there should be one place to focus the users eyes... or slide is too complexity

4 or 5 lines per page and no more than one picture/graphic per page (two very rarely)

5-6 words per line generally and 25 words per slide; try & fit all messages / subheads/headings in one line

Minimum font size 22 or 24 pt for big headings & 18 or 20 pt font for sub-headings; 12 pt for "picture" view

Have a lot of white space in each slide & light fonts to reduce complexity.

Visceral story more important than complete story

Make sure you cover all risks & contingency against each risk; if you don't know say so

Make sure you state what you are asking for and what will be deliverable for the "ask"

Engineer the takeaways

Comments?

vk@khoslaventures.com

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