

BEFORE VISPERA

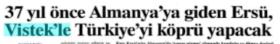


2006

PROF. ERÇİL FOUNDED VISTEK 2009

ISRA VISION AG BECAME A PARTNER OF VISTEK





OFFICENCE - Incode did to dig up la legistration of the legistration of le

sign begreicht deutschlieber bergeicht bei der gestellt der siehe der siehe deutschlieber


2013

EXIT TO
ISRA VISION AG
with 28X
MULTIPLIER

2014

PROF. ERÇİL & DR. AKGÜL FOUNDED VISPERA

NATIONAL AND INTERNATIONAL AWARDS DURING THIS PERIOD



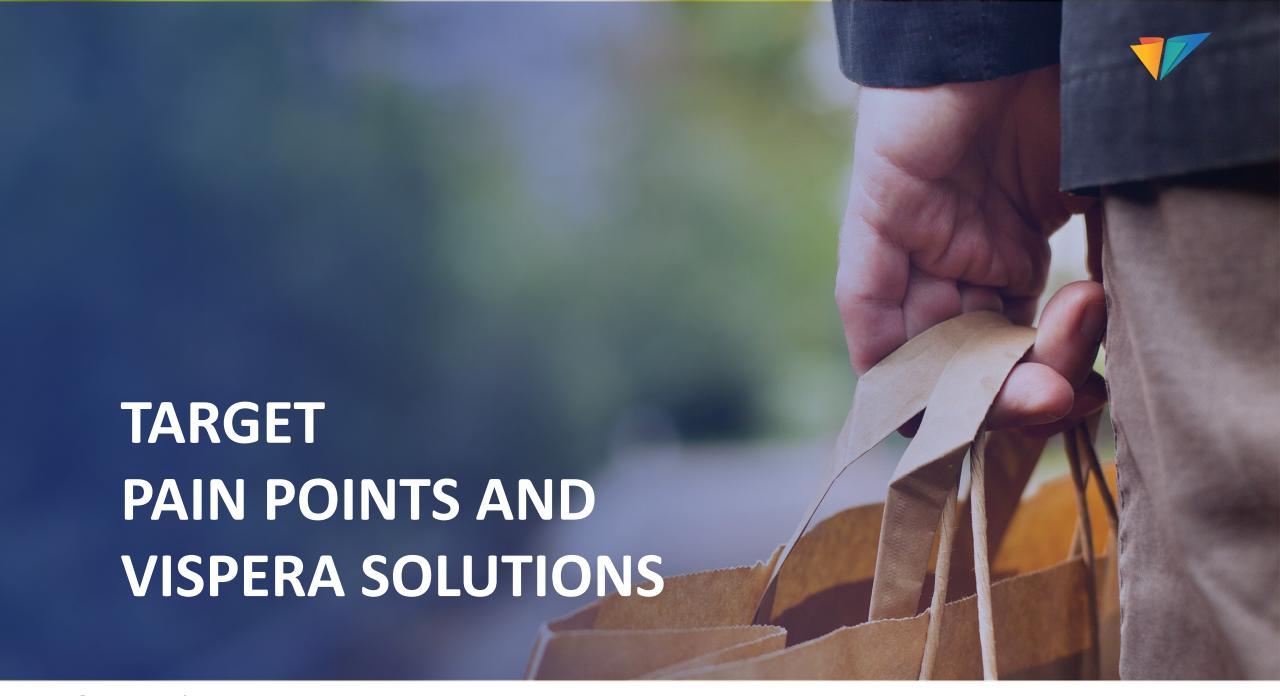












PAIN POINTS WE ADRESS



Out of Stock

Planogram Compliance

Tracking Share of Shelf

Category Management

Getting the exact store space you paid for

Following competitors'moves

Shelf Disordered

Scoring Field Teams



PAIN POINTS



OUT OF **STOCK**



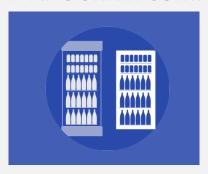
1.75 \$ tn
loss globally
due to
out of stock

26%

of customers buy another brand when a product is Out Of Stock 31%

buy the item at another store

PLANOGRAM COMPLIANCE



7.8% potential increase in annual sales

8.1%

potential lift in profit

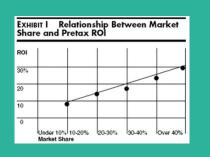
10-15 \$ bn

lost sales opportunity

SHELF SHARE



Cannot be kept at agreed levels
Positively correlated with profitability



PAIN POINTS: FROZEN ITEM CABINETS



Additional Requirements

Price card visibility

Magnum-Cornetto-Snacking-Max

Planogram sticker on the cabinet

Promotion and proposition visibility

Alien product check

Iceness check

Posters presence and relevance



THE SECTOR'S ANSWER TO THE PAIN POINTS



Hosting hundreds of field agents to visit stores periodically and doing the necessary checks











COCA COLA

800 merch + sales rep

PHILIP MORRIS

400 merch, 1300 sales rep + 3rd party **PEPSI and FRITO LAY**

900 sales rep

P&G

600 merch

PROBLEMS WITH MANUAL SOLUTION





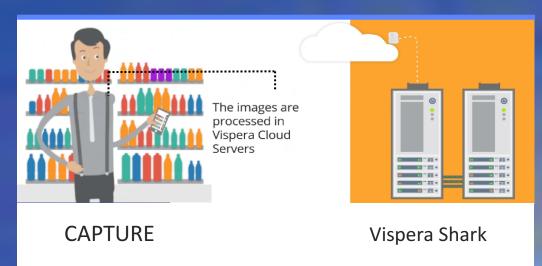


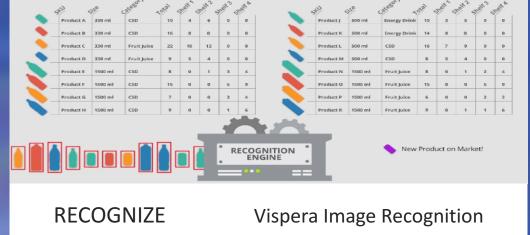




VISPERA TECH: OUR ANSWER TO THE PAIN POINTS







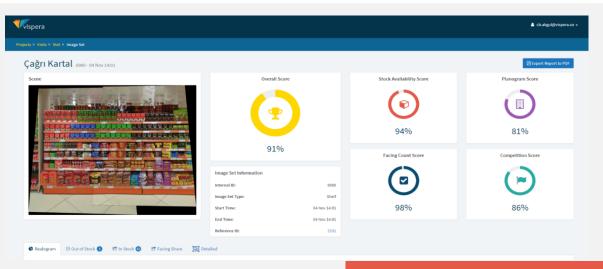




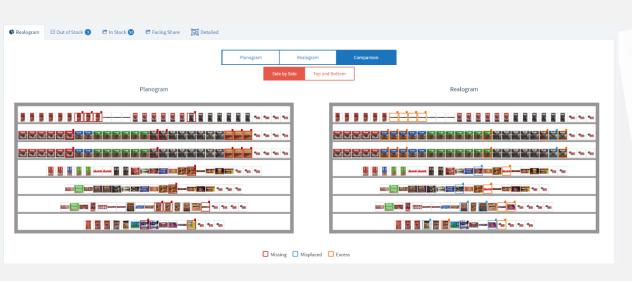
> 99% accuracy, SKU level detail, near real time

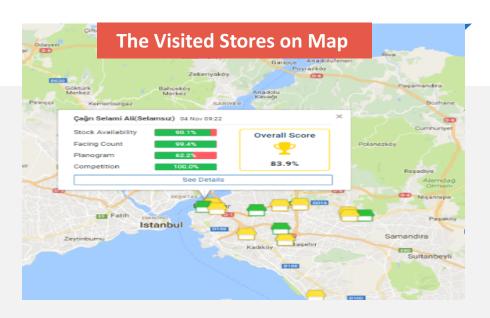


Summary of KPI's at Store Level

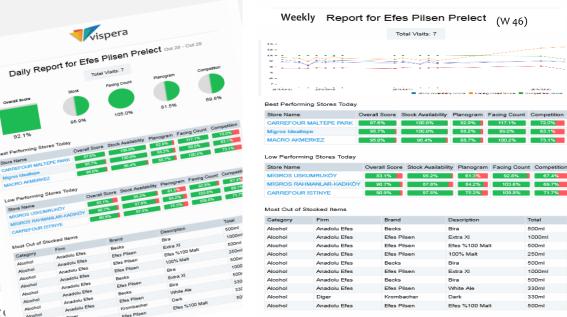


Visual Planogram Analysis



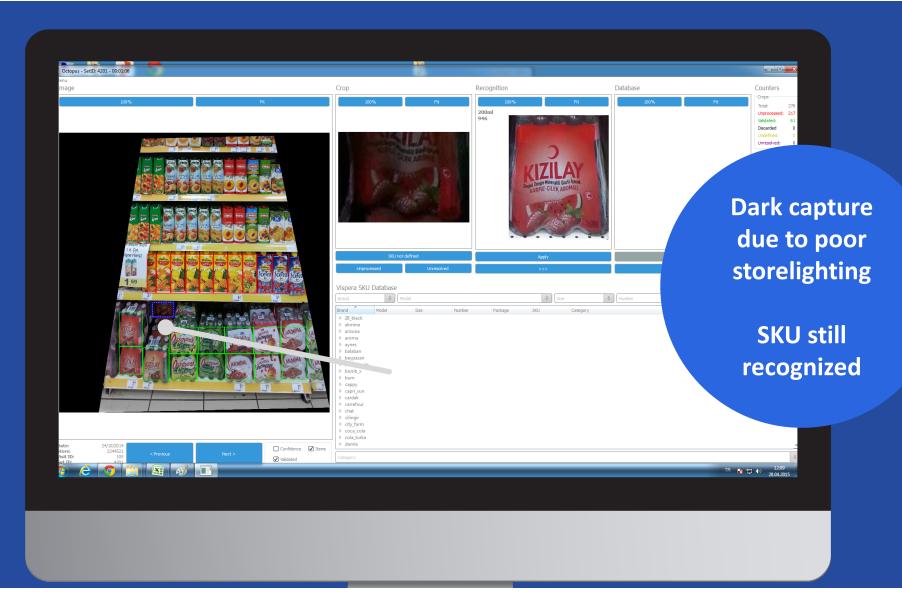


Daily, weekly and monthly reports























VISPERA MANAGEMENT TEAM





Prof. Aytül Erçil Co-Founder and CEO

Network Faculty at Sabancı University
Founder of Vistek ISRA Vision
Award-winning Endeavor Entrepreneur
Formerly Faculty at Boğaziçi Uni.
PhD in Applied Math (Brown Uni.)
Computer Vision, Pattern Recognition,
Applied Math and Statistics
130+ publications and 3 patents in these areas



Ceyhun Burak Akgül, PhD

Co-Founder and CTO

Adjunct Faculty at Boğaziçi University. EE Dept. Formerly R&D Director at Vistek ISRA Vision Formerly EU Marie Curie PostDoc (Philips Research)

PhD in EE (Télécom ParisTech and Boğaziçi Uni.)

Computer Vision, Machine Learning, Data Mining,

Visual Search and Retrieval, Action Recognition

30+ publications and 1 patent in these areas



Yağmur Avni Tatay Operations Manager

Over 20 years of experience in deploying software internationally, managing international software teams (in the U.S. and in India) and software operations



Didem Çelikkanat Ozan, Ph.D. Global Accounts Manager, FMCG

Over 10 years of experience in international projects management, experience in FMCG industry.



Akan Gurler
Business Development Manager

Over 25 years of experience in retail industry in companies like Real, Carrefour, Tansas, Goldas in C level positions.



Başak Aydın Administrative Manager

Over 10 years of experience in HR, finance and general administration management.

VISPERA INNOVATION TEAM





Erdem Yörük, PhD
Chief Scientist

Formerly PostDoc at Johns Hopkins CflS PhD in Applied Math (Johns Hopkins University) 20+ publications in these areas



Kaan Can Fidan, MS
Senior Research Engineer

Formerly R&D Director at Vistek ISRA Vision MS in Mechatronics (Sabancı Uni.)

Robotics, Image Processing, 3D Vision,
Software Dev. Machine Learning,
10+ publications in these areas



Kaan Öner, MS Senior Research Engineer

Formerly Res. Eng. at Vistek ISRA Vision MS in Mechatronics (Sabancı Uni.)
Robotics, Imaging and Lighting Design,
Image Processing, 3D Vision, UI/UX Design
10+ publications in these areas



Levent Özyıldırım, BS Senior Software Engineer

Formerly Soft. Eng. at Vistek ISRA Vision BS in CMPE (Istanbul Technical University) Software Arch. Design and Dev. C++/C#/Java Programming, Database Arch. Web Programming, Mobile Apps

VISPERA INNOVATION TEAM





Melih Değiş, BS Software Engineer

BS in Computer Science (Bilgi University)

Backend Development, DevOps, Unix-like

Operating Systems, Cross-platform

Applications, Functional Programming,

Machine/Deep Learning, Artificial Intelligence



Selin Özenç, BSData Management

BS in Computer Engineering (Çankaya University) SQL query, project & DB configuration & maintenance



Mehmet Koloğlu, BS Software Enginee

BS in Computer Science (Kalamazoo Coll.) Cloud Services, Mobile Apps,



Kemal Akkoyun, MSSenior Software Engineer

MS Student in Computer Engineering (Boğazici Uni)
BS in Computer Science (Bilgi University) 1. of his class
Cloud Services, Software Arch. Design Patterns,
Mobile Apps, Database Arch., Computing Theory,
Recommender Systems, Machine Learning



Başak BaranUI/UX Designer

MA in Visual and Media Arts (Emerson College)
BA in Sociology (METU)
Over ten years of experience in
Visual Design, Information Architecture, User
Testing, User Experience Design



Abdullah Mara Frontend Developer

ADVISORY BOARD





Karaca Kestelli
Chief Strategy Officer, Yıldız Holding
(formerly CEO of Bain Consulting)



Kerem GöktanPartner at Standart Unlu, Board Member at Şok Market Chain



Osman ÜnsalFormer CEO of Esas Holding



COMPETITION



TRAX

(2010)

Singapore R&D: İsrail

37 M USD raised since 2010

PLANORAMA

(2009)

France

R&D: Budapest

Partnership with Smollan Group in 2013 Investment by Kantar Retail in 2014





COMPETITION



	RECOGNITION ACCURACY	ON PREMISE SOLUTION FOR RETAILERS	ICECREAM CABINET	CATEGORIES PROCESSED
TRAX	low	NO	NO	Softdrinks and easy categories
PLANORAMA	high	NO	NO	Softdrinks and easy categories
VISPERA	high	YES	YES	Virtually all categories

FMCG PRODUCT CATEGORIES TESTED WITH VISPERA SOFTWARE



Ice CreamFreezers&Cabinets



Soft DrinksShelves&Coolers

Chocolate



Chocolate













Spices

Diapers

Oils





Health & Beauty





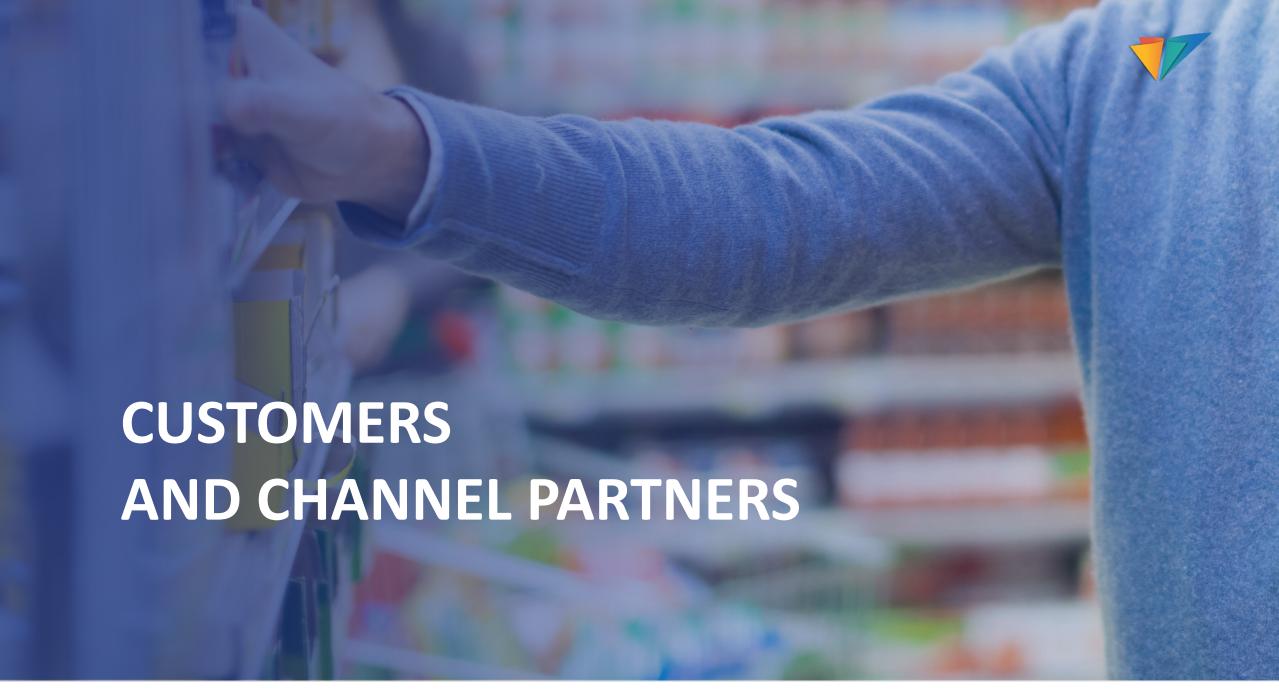






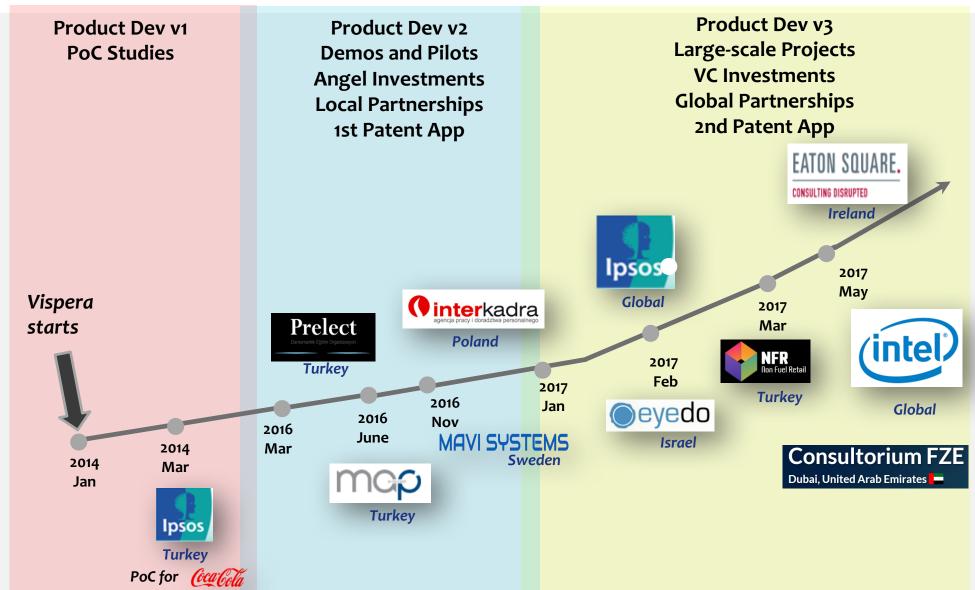


and continuing...



Our Evolution





AWARDS





THE WINNER OF
THE PEPSICO INSIGHT
CHALLENGE
2017
powered by NIELSEN



SELECTED AS
ONE OF THE TOP
100 TURKISH STARTUPS
IN 2015



WINNER OF THE
I-COM GLOBAL
DATA STARTUP CHALLENGE
2017



VISPERA Received a Seal of Excellence from the European Union

TOP 15
TURKISH STARTUPS
IN 2016



VISPERA Selected to TIM-TEB Grow Up Program

Customers and Early Adopters





PIPELINE































































TOTAL ADDRESSABLE MARKET



Estimated Turkish market for Vispera products: \$ 299 million /year

Estimated World market for Vispera products:

\$27.5 billion/year

GO TO MARKET STRATEGY



FMCG Companies

- Direct sales
- Sales Partners / Distributors
- Partner with crowdsourcing / merchandising companies
- Partner with Market Research
 Companies like Nielsen / Ipsos

Retailers

- Direct sales
- Sales Partners / Distributors
- Strategic technology partners (Intel)



REVENUE MODEL



SAAS REVENUE MODEL

Per-Image / Per-store service fee – including standard KPIs On-boarding fee – corresponding to the costs associated with the preparation phase of each new project

Support fee – for eventual SKU updates during the project

Mobile application licence fee – per device

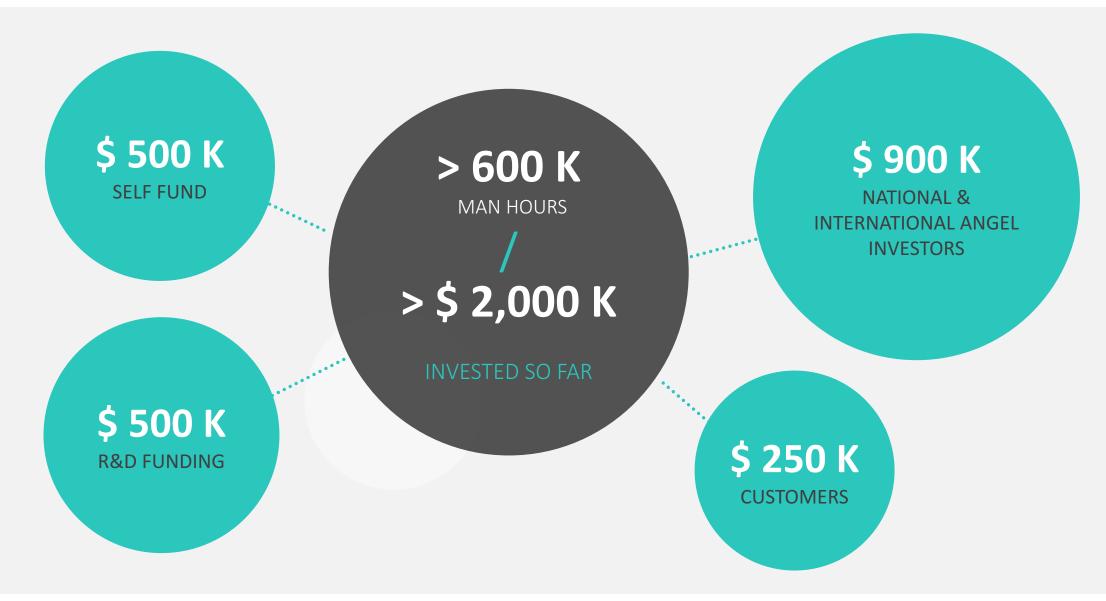
Dashboard subscription fee – per user

ON PREMISE SOLUTION REVENUE MODEL



INVESTMENT





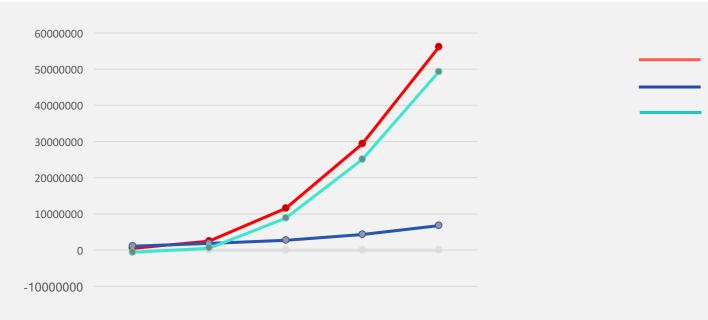
FINANCIAL PROJECTIONS



REVENUE

EXPENSES

EBIT



YEAR	2017	2018	2019	2020	2021
REVENUE	\$517,552.97	\$2,436,000.00	\$11,565,000.00	\$29,375,000.00	\$56,090,000.00
EXPENSES	\$1,098,313.88	\$1,863,690.94	\$2,717,671.25	\$4,289,958.89	\$6,782,296.23
EBIT	\$(580,760.91)	\$572,309.06	\$8,847,328.75	\$25,085,041.11	\$49,307,703.77

Does not include other verticals like pharmaceutical industry, warehouse monitoring

0.2% MARKET SHARE

VISPERA VISION: THE NEW RETAIL



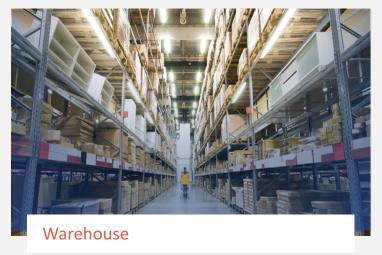






IOT Platform for Retail



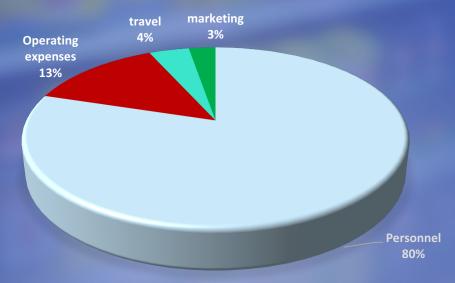


INVESTMENT NEED



1 million USD = expenses for 1 year





EXIT STRATEGY



- 1. SAP
- 2. GOOGLE
- 3. INTEL
- 4. ORACLE
- 5. IPSOS
- 6. NIELSEN
- 7. LOGO
- 8. IPO

SUMMARY



- Proven entrepreneur and a great team
- Novel solution in a very big market
- Few competitors, low market penetration
- Traction with major international brands
- Strong national / international partnerships
- Further prospects in other verticals and IOT services



A Vision for The New Retail

a.ercil@vispera.co