

Graphical Parking Location System

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Product: GPLS

Key Features

- PND portable navigation device
- Same features as GPS navigating systems, with added parking feature
- Uses GIS technology
- Track parking spaces available for structures, meters, lots, street parking, and underground parking
- Graphically shows closest parking available
- Indicate parking location base on price/distance
- Indicate type of parking (lots/streets/structures/meters/UG/private/public/free/charge/valet)

Product: GPLS

- How it works!
 - Parking Mode: satellite pinpoint where you are and automatically show (map) out the places available for parking within the range or radius you determined.
 - Enter the address/location name & it'll automatically map out the available parking within that address beforehand
 - RED represent any source of parking
 - Available parking spots are noted by yellow squares
 - Blue dots (represent cars) in a parking spot
 - Rest of the graphical images will be in grayscale during parking mode
 - Ahead of time, the satellite will have predetermine image of each parking lots, how many spaces if marked, store in a database

Product: GPLS-camera

GPLS camera:

- Put up in structures & UG parking lots to transmit images to GPLS
- Images can be view on GPLS, similar to how it would look outside of building
- Others: Security.....(activation code)
- Service (monthly fee)



People

INTERNAL:

- Paaj Her-CEO & Marketing
- Vang Her-CEO & IT/IS
- NEED: -Financial/Accounting background
 - -Someone with GIS knowledge
- *We realized that we may need more people to split up the work

EXTERNAL

- Suppliers
- Manufacturers
- Software Developers

- Engineers
- Distributors
- Lawyer

*we want to have a relationship w/ all these people

Opportunity: Market

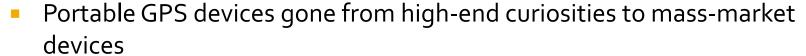


- The market for parking spot locater technology is increasing (concepts)
- Less competition in market than industry
- Major geographic markets: US, Canada, Europe, Japan, India and China
- Customer: Anyone who owns a car, more likely newer cars
- ALSO, B2B: businesses/transportation industry

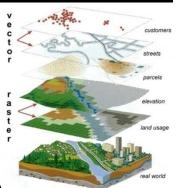


Opportunity: Industry

- Industry for mobile location technologies (PND) is propelling
- The technology is fast gaining acceptance worldwide
- Global market for Location Based Services (LBS)
- More software development for mobile transportation
- More vehicles expected have in-vehicle navigation systems (IVNS)
- GPS signal is free to anyone, courtesy of the US Government



- Industry saturated with competitors in (GPS) Magellan to TomTom
- Change from stand-alone to multi-functions



Production Process

- Involve satellite receiver and transmitter and lots of custom chips
- Have a manufacturer create a prototype
- Hire our own suppliers/manufacturer/software developer/engineer-(let them work together)
- Outsource from countries: Taiwan
- Aimed for a more cost-effective design to lower retail price

Price

- Average cost to make GPS: low(\$100-\$200) high(\$300-\$500)
- Average cost to make 3G 8mpx iphone-(\$174.95)

ESTIMATIONS-costs

- Bill of Materials (BOM) and manufacturing expenses- (\$200-\$250)
- Software development (\$200-\$300)
- Other costs:shipping and distribution, packaging and miscellaneous accessories (\$150-\$200)
- The GIS technology already exist-(get it cheaply)
- GPS signal-FREE
- Price the GPLS at \$550 (range: \$550-\$750)
- Price GPLS service fee at \$35
- GPLS overhead cameras in structures/UG parking lots-\$300

Marketing/Promotion

- •In-vehicle navigation systems (IVNS)
- Create relationships/partnerships through B2B
- Online advertisements
- Electronic/tech tradeshows
- Street Advertisement: Billboards
- Magazine: Business/Tech/Men's
- •Target: Big Cities, business areas
- Target: Transportation industry

Finance

Invest \$2,000 in creating a prototype \$6,500,000 in producing 10,000 units GPLS for first ½ year

\$3,000,000 in producing 10,000 overhead cameras

Total Investments = **\$9,502,000**

GPLS: \$5,500,000-\$6,500,000 = -\$1,000,000 decrease for 6 months

GPLS service:\$35*10,000 units=\$350,000/ month 6 months **\$2,100,000**

Revenue of \$1,100,000

GPLS camera: \$3,000,000-\$3,000,000 = \$0 (breaking even)*

Long-Run Growth

- EOS make it more affordable
- Compete against 3G 8mpx iphone-portable
- Expand the GPLS camera line: into all types of buildings
- Advance the technology

Competition

MARKET

- XM Satellite Radio concept called "Dynamic Parking Information"
- ParkSens concept developed by students at Boston University
- Streetline used a wireless sensor technology known as "smart dust"
- Online competition: ParkWhiz.com, FindPark.com

INDUSTRY

- 3G iPhone with GPS system
- Garmin: leading GPS manufacturer (+50%)
 - Nuvifone: integration of GPS, a portable Web browser, and a phone
- Claimed by big players in recreational and driving navigation





Context: Macroeconomic

- Economy in a slump
- People are buying less
- People are more price sensitive
- Conservative on purchases

Risks

- New technology
- Expensive
- Not enough drivers see no need for a GPLS like system to find parking spots
- Not enough cooperation with city/states
- Competition can copy
- Not enough funding

Rewards

- High returns if successful
 - drivers numbers in the millions
- Many markets
- Growth potential
- Save cost & time

EXAMPLE: MAM

