



PREVENTING MOLD GROWTH

ON-LINE SERVICE FOR LIVING AND
COMMERCIAL PREMISIS HOUSES



EXECUTIVE SUMMARY

About:



The innovative business solution is based on proven technology developed by research institutes in the USSR. The property of a low-frequency wave emitter has been discovered to suppress pathogenic microorganisms, fungi and odors of ammonia origin without any effect on humans and pets.

Thanks to modern network technologies, it has become possible to supplement the low-frequency wave generator with a network management function (billing, switching on/off, updating) similar to a WiFi modem.

There are laboratory and industrial test protocols confirming remote growth suppression and colony destruction of pathogenic microorganisms and fungi.

No chemicals and no evacuation of people and animals.

About:

Purpose:

- Technical disinfection of premises and territories for the safety of people and animals and solving problems with the safety of human health.
- Disinfection of industrial and public premises, residential premises, vehicles and any other public spaces.

Functionality:

- Suppression and elimination of areas affected by dangerous bacteria, pathogens, and all types of mold. Improving people's quality of life.
- Improving the reliability of buildings by eliminating mold in walls, floors, and foundations during operation.

Uniqueness:

- Innovative technology working in the field of low-frequency electromagnetic fields of low intensity). No direct competitors in the global market.

Competitive advantage:

- Maximum versatility. The entire process works as an online service.
- A large area of applications for devices that use this technology. Portability, complete autonomy, and mobility. Easy operation.

Main features:

Suppresses reproduction and destroys the following types of pathogenic microorganisms:

- Pathogenic staphylococci
- Escherichia coli
- Pseudomonas aeruginosa
- Candida (fungus)
- Bacillus Cereus
- Bacillus subtilis
- Botrytis cinerea
- Proteus vulgaris
- Aspergillus niger
- Legionella Pneumophila

Getting into the life support systems of buildings, which have favorable wet conditions for bacteria, in which they begin to develop, multiply, and mutate, as well as spread through centralized life support systems.

Our technology completely solves this problem on a permanent basis online, without the involvement of cleaning specialists and chemicals.

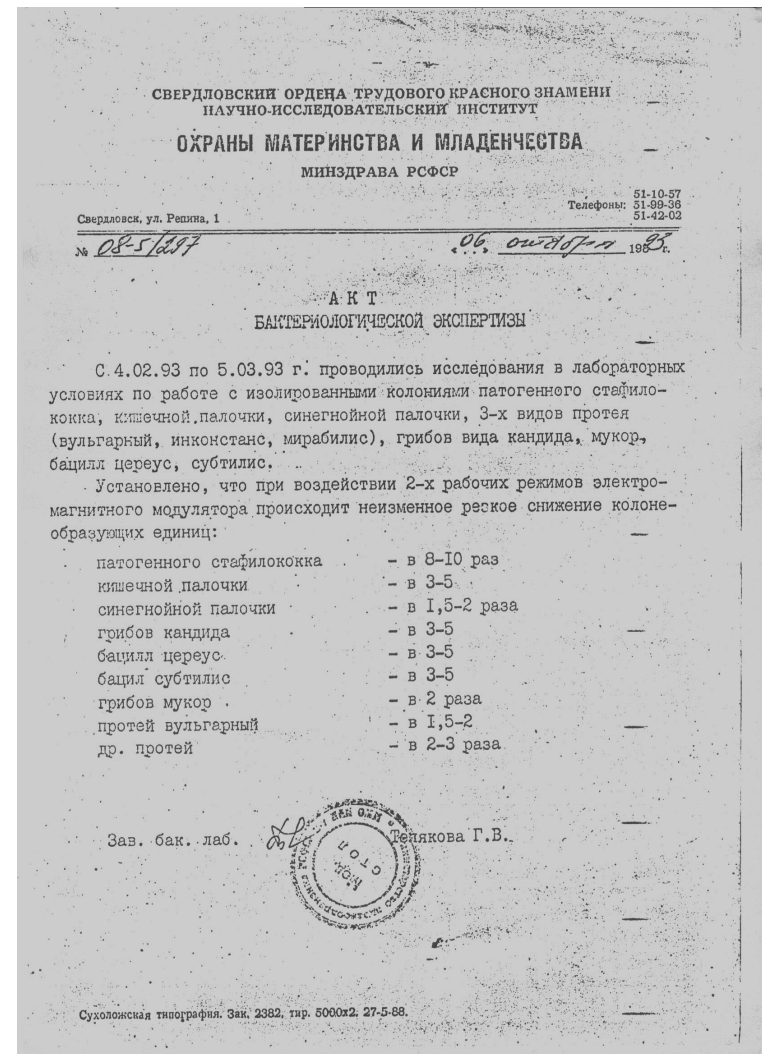


Technology Proof and Certification:

Tests and results:

For several years, the generator has been tested in various medical institutions and positive results have been obtained in significantly reducing colonies of pathogenic microorganisms.

There are dozens of protocols confirming the effectiveness of the technology.



Certification of equipment for use:

Certified in Russia (Technical certificate and certificate of sanitary and hygienic safety).

Requires voluntary certification in Indonesia and Malaysia.



Business structuring:



- The partnership of Project owner and Investor has established the Holding company.
- The Holding company purchase the exclusive rights for the technology and specific frequencies aimed at suppressing the growth and destruction of pathogenic microorganisms.
- The Holding company has established an Operating company in Bali (Indonesia).
- The Holding company provides the Operation company the license for providing service to the end-customers.

- The Operating company organizes the production of outsourced end devices, runs a billing system for network management of generators installed by end users on its own or leased software and hardware.
- The Operating company receives a local safety certificate for operating the generator in Indonesia, with subsequent certificates for Malaysia.
- The Operating company pays License fee to the Holding company.

Operating principals:

- Contracting with an outsourcing manufacturer to supply the parts for the device.
- Assembly of the devices in Indonesia.
- Obtaining local certificate and permission for selling the devices.
- Launching on the basis of Indonesian operating company the necessary services such as technical (engineering), billing (financial), marketing for the provision of comprehensive services to end customers.



Indonesia Market Shares:

Contract Cleaning Services Market

Market Size in USD Billion

CAGR 7.10%



Source : Mordor Intelligence



Study period	2019 - 2029
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Market Size (2024)	USD 423.28 Billion
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Market Size (2029)	USD 618.22 Billion
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CAGR (2024 - 2029)	7.10%
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Fastest growing market	Asia Pacific
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The Largest Market	North America
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Market Concentration	Middle
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Key players



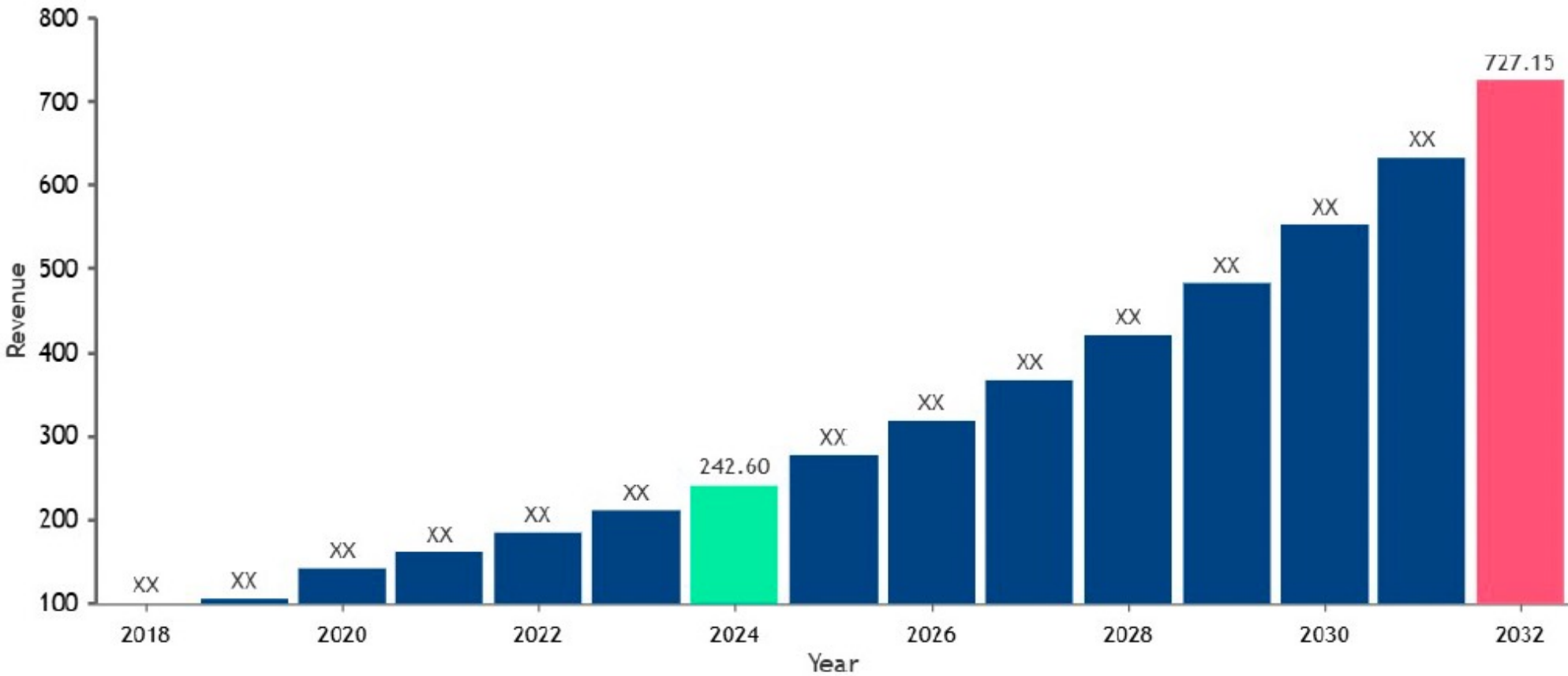
Indonesia Market Shares:

Overview

The Indonesia Infection Control Market is expected to reach a 727.15 USD Million by 2032 and is projected to grow at a CAGR of 26.22% from 2025 to 2032.

 Revenue, 2024 (USD Million) 242.60	 Forecast, 2032 (USD Million) 727.15	 CAGR, 2024 - 2032 26.22%	Report Coverage Indonesia
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Indonesia Infection Control Market 2018-2032 USD Million



Indonesia Market Shares:

Indonesia Infection Control Market, Key Findings (2025-2032)

Market Growth and Projections:

- Market Size (2024): 242.60 USD Million
- Projected Market Size (2032): 727.15 USD Million
- CAGR (2025-2032): 26.22%

Key Findings of Indonesia Infection Control Market:

- The Indonesia Infection Control Market was valued at 727.15 USD Million in 2024.
- The Indonesia Infection Control Market is likely to grow at a CAGR of 26.22% during the forecast period of 2024 to 2032.
- In 2024, the Largest segment Direct Tender in Distribution Channel Segment accounted for the largest share of the market with a revenue of \$147.18M.

The fastest growing segment Cleaning and Disinfection Products in Product Segment grew Fastest with a CAGR of 30.58% during the forecast period from 2024 to 2032.

Indonesia Market Shares:

The infection control and disinfection market in the residential, hotel and commercial sectors of Indonesia demonstrates the following features:

1. Demand in the residential sector:

- Construction growth: The government's 3 Million Homes program is stimulating the construction of affordable housing, which increases the need for disinfection of new facilities. By 2025, Jakarta's residential real estate market is expected to grow by 12% due to urbanization.
- Trends: Increasing demand for eco-friendly disinfectants (for example, based on hydrogen peroxide) for home use. The share of "home disinfection" in the surface segment reaches 38%.

Indonesia Market Shares:

The infection control and disinfection market in the residential, hotel and commercial sectors of Indonesia demonstrates the following features:

2. The hotel sector:

- Cleanliness Certification: Agoda and the tourism authorities are implementing the Clean Certified Accommodations program, where 67% of hotels in Jakarta and Bali have been certified according to SHA+ (safety and hygiene) standards.
- Technologies: The use of sprays (45% of the market) and long-acting wipes for room treatment. UV disinfection equipment is being introduced in premium class hotels.

Indonesia Market Shares:

The infection control and disinfection market in the residential, hotel and commercial sectors of Indonesia demonstrates the following features:

3. Commercial premises:

- Office spaces: After the pandemic, 89% of companies introduced weekly disinfection of work surfaces. Quaternary ammonium compounds are popular (31% of the market) because of their safety for electronics.
- Shopping malls: As part of the Clean Indonesia Movement initiative, automatic disinfectant sprayers have been introduced at the entrances. The share of commercial facilities using professional disinfection services increased by 22% in 2024.

Indonesia Market Shares:

The infection control and disinfection market in the residential, hotel and commercial sectors of Indonesia demonstrates the following features:

4. Government measures:

- Subsidies: Manufacturers of eco-friendly disinfectants for hotels and residential complexes receive tax benefits.
- Standards: Starting in 2024, all commercial facilities are required to undergo quarterly certification of ventilation and disinfection systems.

Indonesia Market Shares:

The infection control and disinfection market in the residential, hotel and commercial sectors of Indonesia demonstrates the following features:

5. Problems of the sector:

- Fakes: 25% of disinfectants in small hotels and residential complexes are counterfeit, which increases health risks.
- Logistics: Limited access to professional disinfection services in remote areas (for example, on the islands of Sulawesi and Kalimantan).

Segment share dynamics: Hotels — 28%, Housing — 35%,
Commercial Facilities — 37%.



PRODUCT AND PLACE
OF APPLICATION OF THE
SERVICE

Equipment types:

For commercial and home use:



Technical Specification:

Stationary version (for open air and large spaces)

- The radius of action in the room is from 10 m² up to 200,000 m². (regulated).
- Power consumption – Max/up to 10 watts per hour, 0,7A.

Mobile version (for indoor use)

- The radius of action in the room is from 10 m². up to 2000 m². (regulated).
- Powered by a rechargeable battery installed
- The term of operation from the accumulator is 1 year.
- Environmentally friendly - no waste, impact on the environment.
- 100% safe for people and animals and the environment.
- Technically safe.
- Easy to operate.
- Maintainable - quick replacement if necessary.
- Service life 5 years.

Sales markets:

Domestic



International





COMMERCIAL STRATEGIES

Target goals:

- The key idea of the Project is to create a scalable business based on the provision of services for the destruction of fungi, mold and pathogenic microorganisms.
- The pilot launch of the service, testing, debugging of technical and organizational issues can begin on the island of Bali.
- Next, we will gradually expand the service to other islands in Indonesia, Malaysia, Thailand, Vietnam and other regions of Southeast Asia.

Marketing strategy:

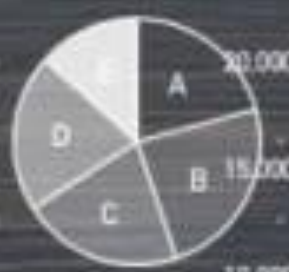
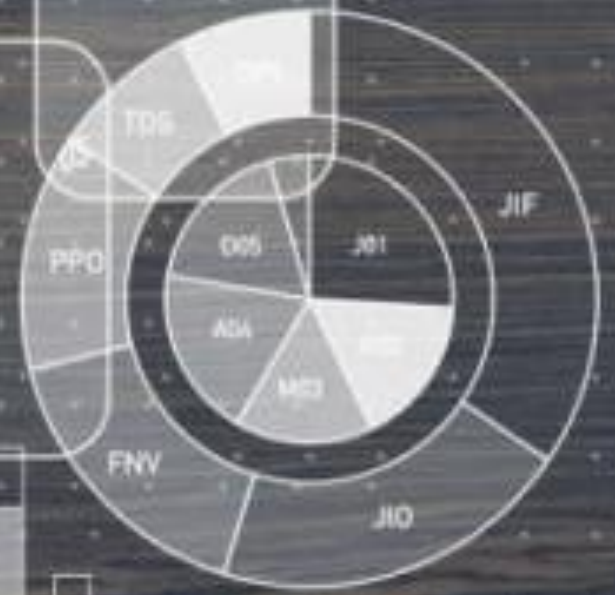
- The commercial product of the Project is a permanent wave treatment service for private and commercial premises to destroy of mold, fungi and pathogenic microorganisms. The service is provided by analogy with the Internet - "Pay and use", with automated billing.
- The promotion of wave suppression services for the growth of mold, fungi and pathogenic microorganisms should be carried out among the following categories of customers:
 - **Commercial clients** - Hotels, Apartments, Villas, Retail premises, warehouses with food.
 - **Private sector** - owners of residential premises.
- For the private sector, this Service can be developed independently with the installation of a portable network wave generator, or in collaboration with internet service providers - the portable generator will simultaneously serve as a WiFi router and a wave generator for mold removal (2 in 1).
- For the commercial sector, the Service is offered individually, with its own tariffs, the network generator is supplied in an industrial form with a wider range of coverage.

Marketing strategy:

- Due to the fact that the effective operation of one generator can cover several floors of a hotel and apartment complex, the most cost-effective way to develop service sales is in hotels, and then in the private sector.
- The tariff for the hotels or apartment complex can be charged at least **\$1/for room/per night** for each room or apartment.



AIU	1.822	20.369.000
EJK	3.680	224.601.000
HPL	1.062	85.678.000
KEE	485	5.369.000
NAH	6.569	189.301.000
GOP	6.602	102.498.000
TIK	890	24.697.000
WIG	6.280	76.002.000
AHD	2.436	57.610.000



AIU	HJI	WWE	PLD
1.822	20.369	890	6.35
(-35)	(+500)	(-20)	(-3)
MBC	LJI	MJB	
3.605	9.542	2.609	
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YBV	GMN	MY	
3.204	5.211	7	
(-33)	(+154)		
MFB	WFF		
3.112			

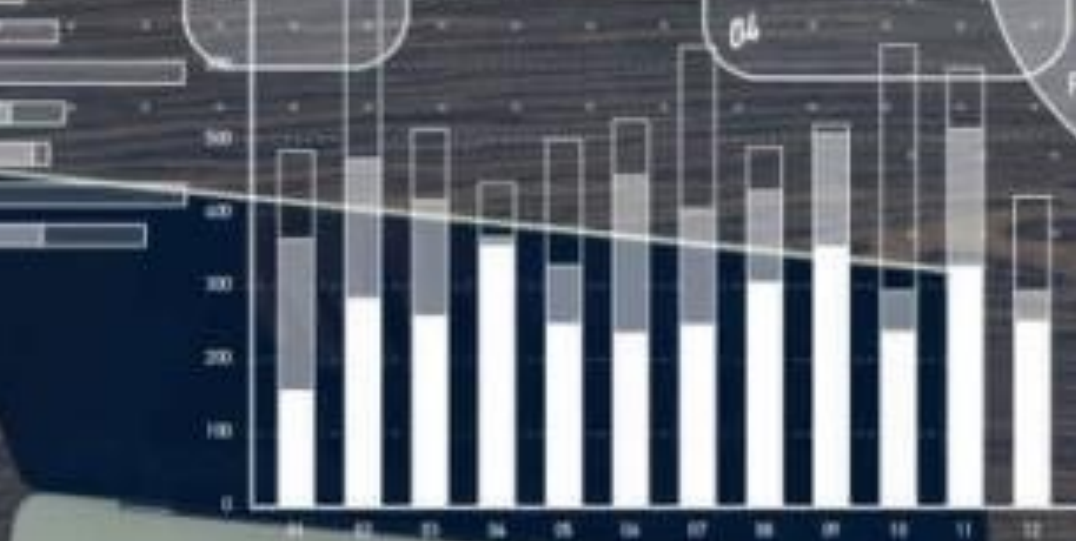
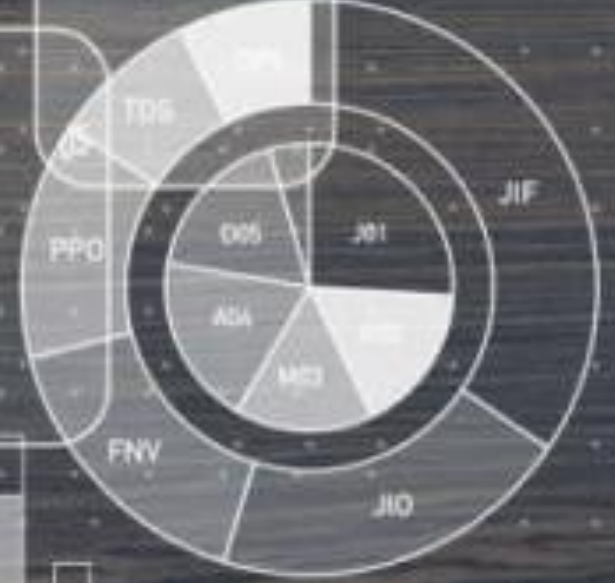
INVESTMENTS

Investment parameters:

THE COST OF LAUNCHING A PILOT PROJECT IN BALI			
No	Name	COST, \$	(%)
1	OPEX	706 000,00	18,8%
1.1.	Billing service for the network connection of client equipment	25 000,00	
1.2.	Marketing and Advertising	240 000,00	
1.3.	Order for the production of a batch of outsourced generators (1000 units)	185 000,00	
1.4.	Project management team	256 000,00	
2	CAPEX	3 050 000,00	81,2%
2.1.	Frequency license purchase	3 000 000,00	
2.2.	Obtaining a Safety Certificate	50 000,00	
	TOTAL:	3 756 000,00	100,0%



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3.112			

FINANCIAL FORECAST

Priority customers:

Hotels and Apartment complexes are the priority customers. According to current data, Bali has the following situation with the number of rooms:

The total number of rooms is about 150,000 units, including:

- 5-star hotels — 18,400 rooms
- 4-star hotels - 19,500 rooms
- Villas with private pools
- Apartments in urban and tourist areas
- Guesthouses and small hotels

Distribution by category (as of April 2024):

- 3-star hotels — 24% of the total
- 4-star hotels — 42% of the total
- 5-star hotels — 34% of the total

Project figures:

This example indicates the project figures of launching the Service for commercial sector only

Number of hotel rooms in Bali, including hotels, villas, apartments, and guesthouses	150,000
Tariff for using on-line service	\$1 per room/villas/apartments/guesthouses per night
Target annual revenue	$150,000 * \$1 \text{ per night} * 365 \text{ d} = \$54,750,000 \text{ per year}$
Prospective Market shares as 10%	\$5,475,000 per year
Required Investments	\$3,734,000

**You are
Welcome**