

## FIGHTING CAPSULE TO COMBAT THE TERRORIST ATTACK

### INSPIRATION

Our country and the world was shocked because of terrorist attack 26 / 11. during that 56 hours we were watching TV news channel. We really could not imagine how could 4 -5 terrorist held the army of more than 400 soldiers for 56 hours ?

#### **Concept –**

After shocking terrorist attack on Mumbai whole world was really worried about the safety of major cities and buildings

***It is very difficult to face the attack of the terrorist who hide in some part of building behind some obstacle and from there they fire and make bombing. A device like “fighting capsule” could have been extremely useful to find out terrorist and kill them or make them unconscious and keep them as a proof in very short time and very less deaths . It could be possible to reach up to the point were the terrorist hide.***

We told this concept to leading newspaper in Pune “ Sakal” and the published on the first page of the paper with our mobile number. We got very great response, we recieved around 180 – 200 calls. Some of them were engineers , Military officers. According to them this is very good concept and this project should be taken by the government.

For example Brigadier Dr. Palnitkar has given his opinion that this is very good concept and it should be undertaken.

Main aim during terrorist attack was .

- 1) To save the lives of hostages.
- 2) To save lives of maximum solders during the operation .
- 3) Minimum damages to the building.

## Interesting futures of FC –

At the time of terrorist attack we required the terrorist live for proof against any nation . with the use of FC it could reach very near and fire with drugs which could make the terrorist unconscious and we could catch in live condition.

## uniqueness of Fighting capsule .

### **Shape**

Shape of FC is such that at first glance it would not appear like any attacking vehicle It will look like a part of some architecture.

### **Size**

Terrorist could go any were in the building. They could hide any were so to cover all the places , the size of the FC is such that it could travel any were in the building , through doors and elevators ie – Oval base of 30 and 36” and height of 6’ so as to accommodate one soldier .

### **Material**

Material of the FC would be Bullet proof steel which could be used against AK 47 and any advance machine gun. It will also withstand blast of hand bomb smoke , fire .

### **Vision system**

Vision system for solders seating inside of two types , one is direct vision system with small window having bulletproof glass and second one id CCTV systems. Night vision cameras 4 no, installed at various places covering all directions view. Both the systems would be protected well by steel grill and will be prevented from any type of firing and bomb blast. Bright lights could be provided to fight in dark and for rescue operation.

### **Mobility**

This capsule will move with the help of electrical vehicle with traction batteries to give maximum power.

## **Communication system**

VX-170 VHF Mobile Handheld Walke Talkie with adequate protection to antenna.  
And all accessories for hand free operation.

## **Weapon system**

FC will have facility to hold any advance gun. backfire of gun will be absorbed by the body of the FC so that soldier need not put his solder to the gun, besides machine gun it will be having small open able opening to fire revolver from inside.

## **Self defense**

If the group of terrorist hold the FC and if they try to fall it it high voltage will be passed to outer body as well as from small open able aperture soldier could fire from revolver to have self defense.

## **Ventilation system**

There would be ventilation systems and internal fan to feel comfortable to soldier. Oxygen generating systems could be installed inside the FC.

## Success Rate




Success rate of FC project is 100% because the parts / devices which are being used in FC are proven and used world wide from many years .

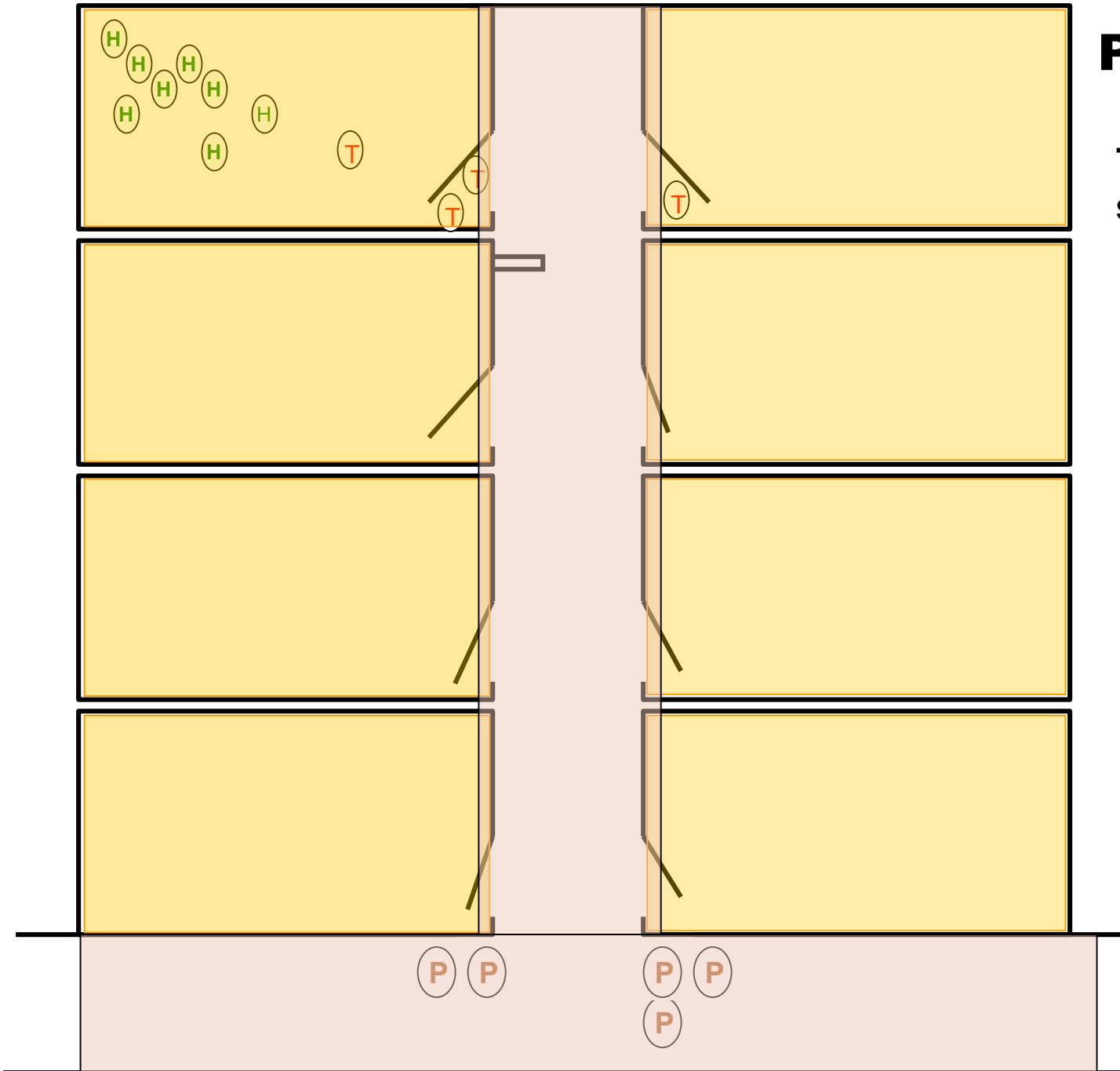
For example movement of FC which is based on the pallet truck which are being used in industries for years . The battery operated pallet truck have capacity of weight carrying capacity of 2500 kg. where as our FC has weight only 400 – 500 kg.

Night vision cameras, communication system , oxygen generating system , air exhaust fans, bullet proof glass , armored steel are being used and available in market.

FC is innovative use of all proven devices in the market.




## Terrorist attack situation

-  Police
-  Terrorist
-  Hostages



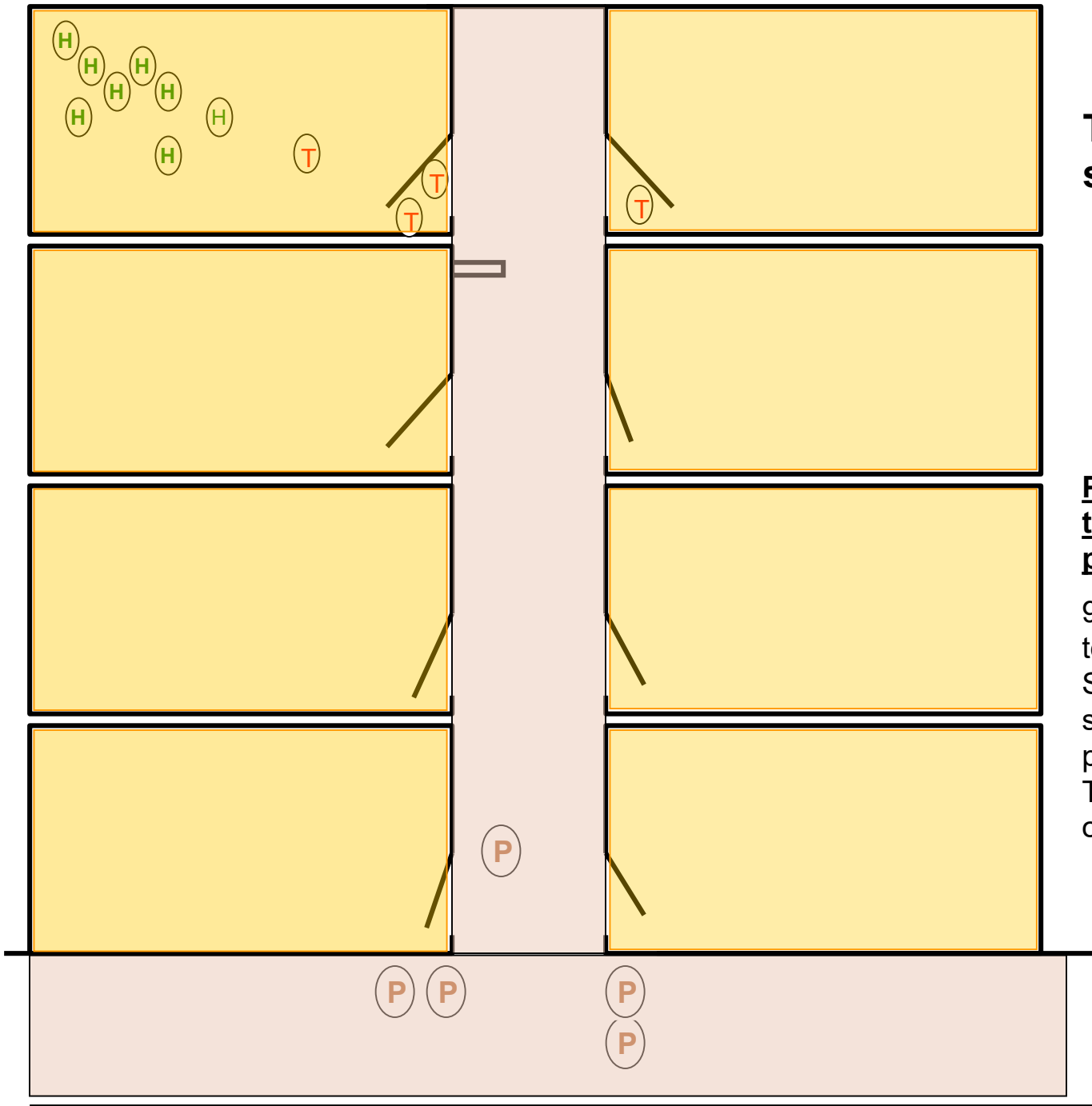
# PROSONIC

## Terrorist attack situation

-  Police
-  Terrorist
-  Hostages

### Police approaching terrorist without any protection –

90% of his attention is towards saving his own life. So the movement is very slow,, efficiency of such policeman is also very low. Time required for the operation more.



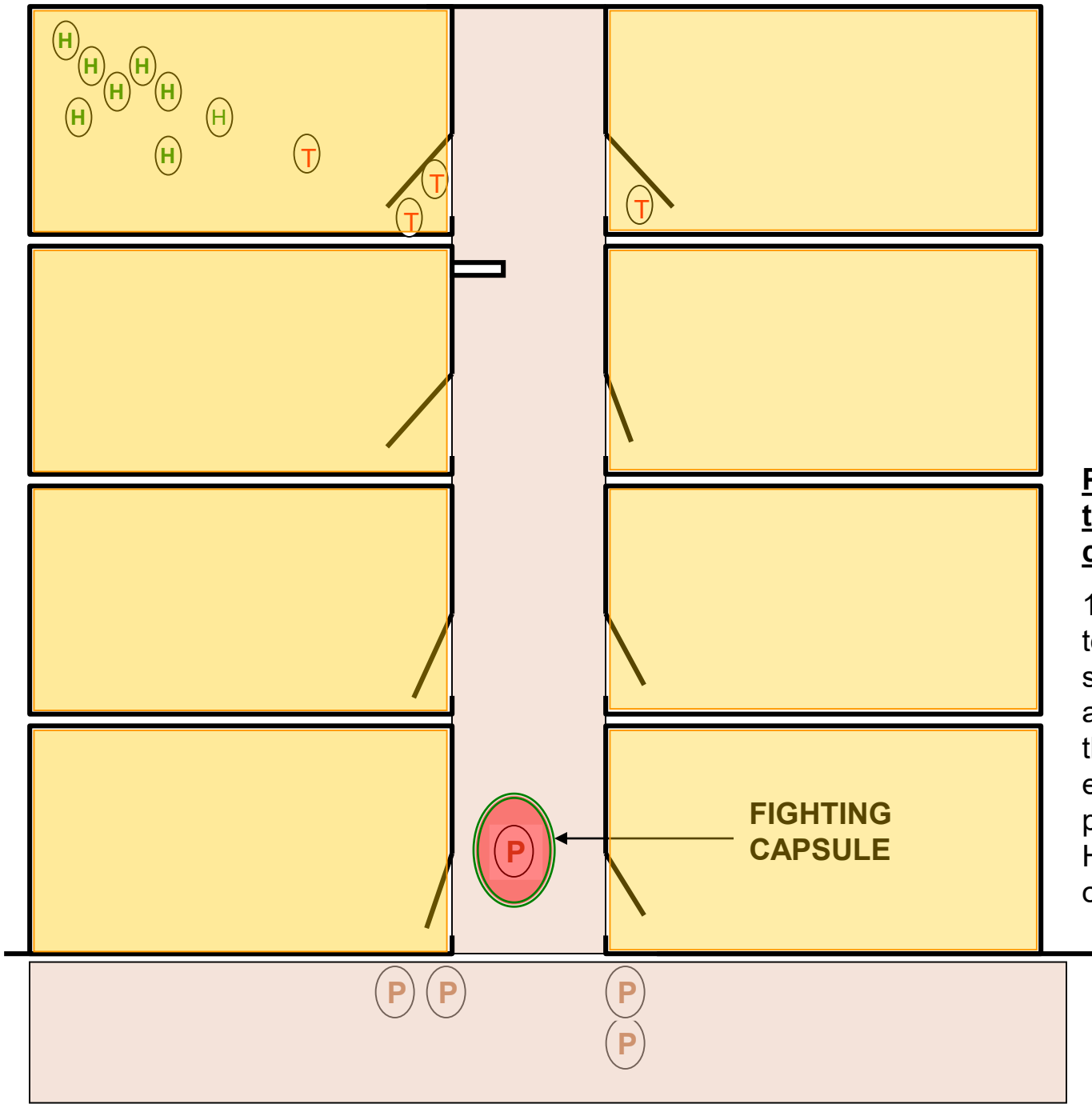
# PROSONIC

## Terrorist attack situation

- (P) Police
- (T) Terrorist
- (H) Hostages



### Police approaching terrorist in fighting capsule.

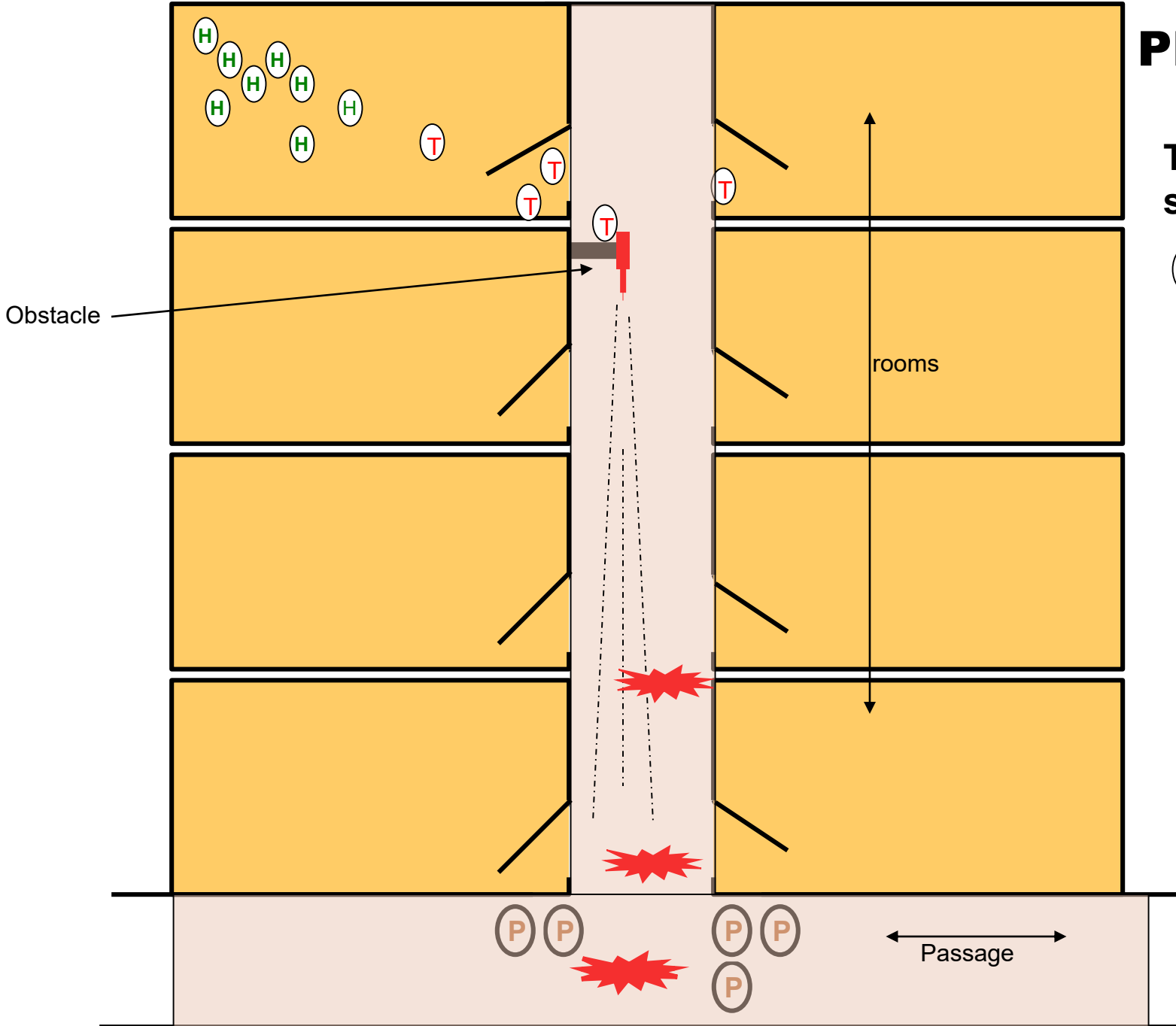
100% of his attention is towards finding target and shoot it. Because is we safe and sure about his life. So the movement is fast efficiency of such policeman is also very High . Time required for the operation Less .





## Terrorist attack situation

-  Police
-  Terrorist
-  Hostages



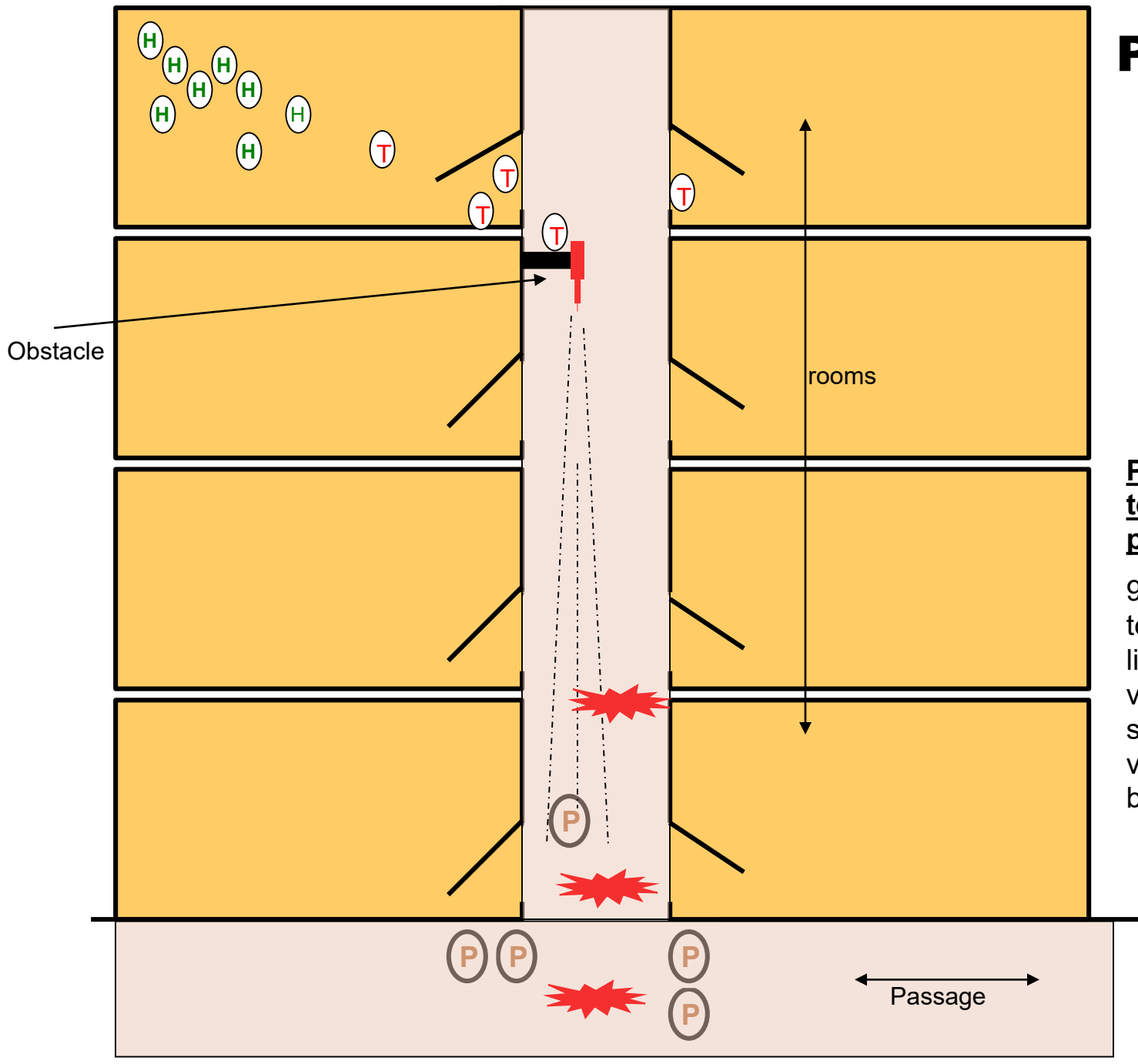
# PROSONIC

## Terrorist attack situation

- (P) Police
- (T) Terrorist
- (H) Hostages

### Police approaching terrorist without any protection –

90% of his attention is towards saving his own life. So the movement is very slow,, efficiency of such policeman is also very low. This operation becomes Time taking.



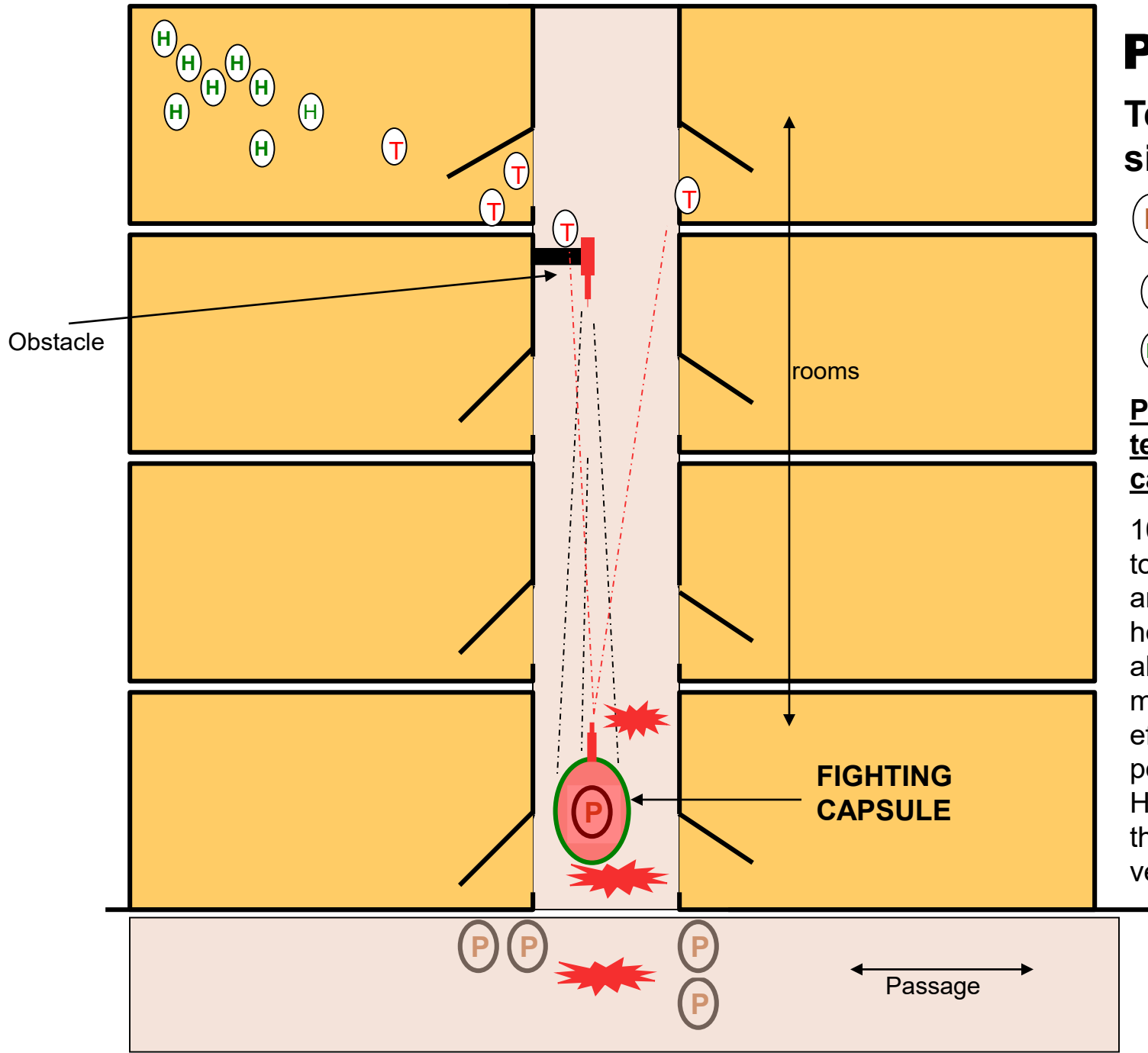
# PROSONIC

## Terrorist attack situation

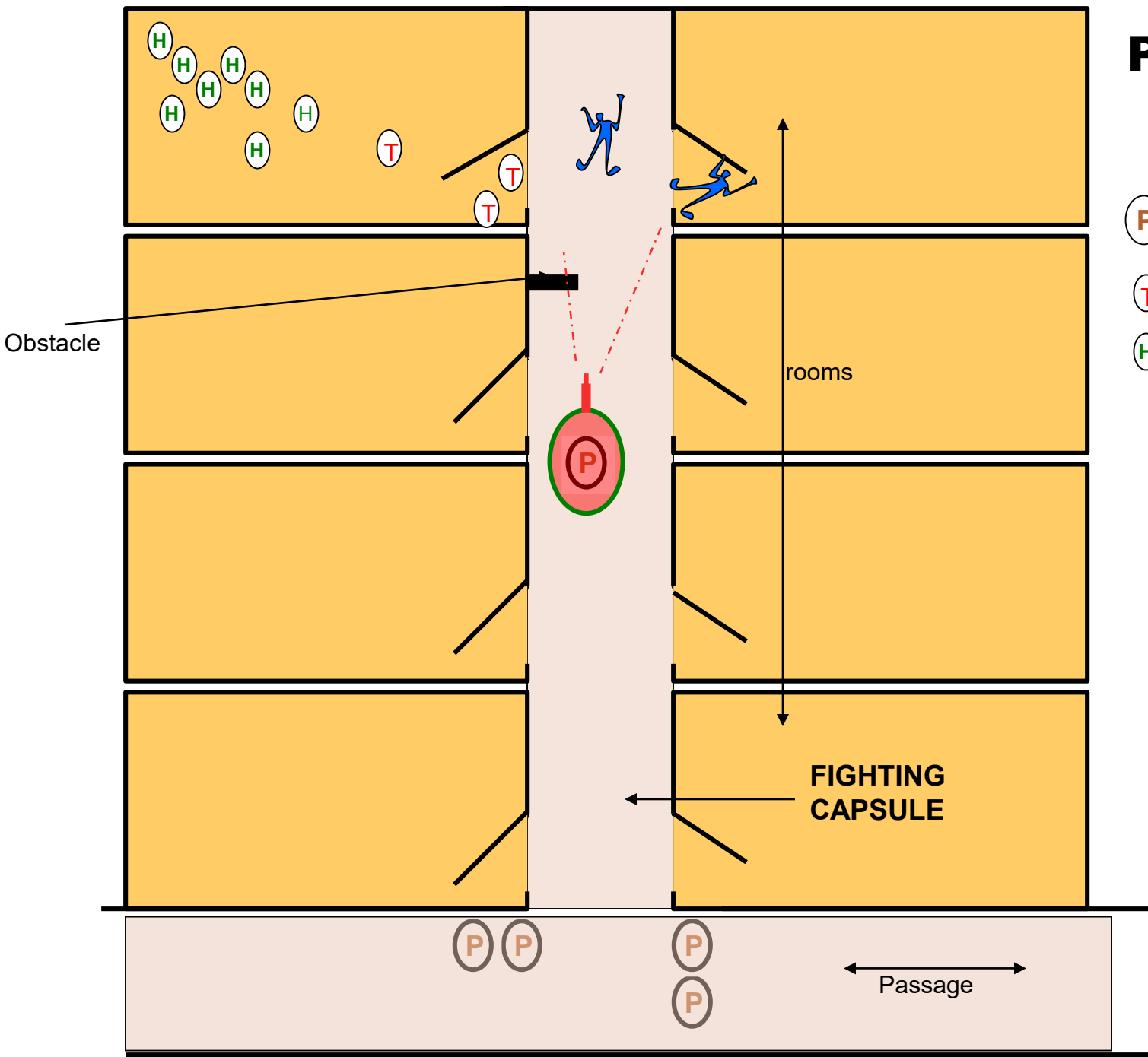
- (P) Police
- (T) Terrorist
- (H) Hostages

### Police approaching terrorist in fighting capsule.

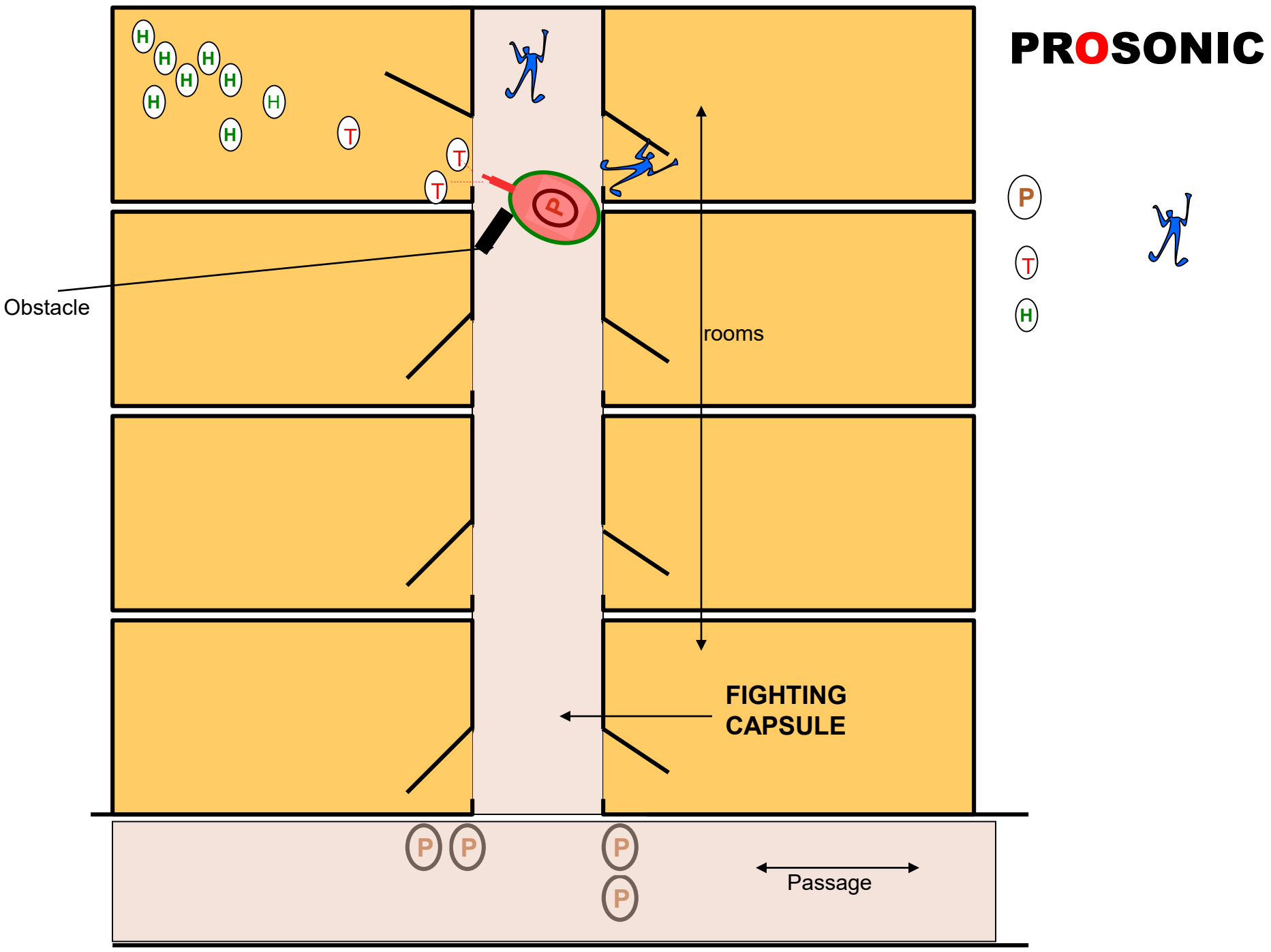
100% of his attention is towards finding target and shoot it. Because he is safe and sure about his life. So the movement is fast efficiency of such policeman is also very High . Time required for the operation would be very Less .



# PROSONIC



# PROSONIC



Obstacle

rooms

FIGHTING  
CAPSULE

Passage

P

T

H

P

P

P

P

H

H

H

H

H

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H

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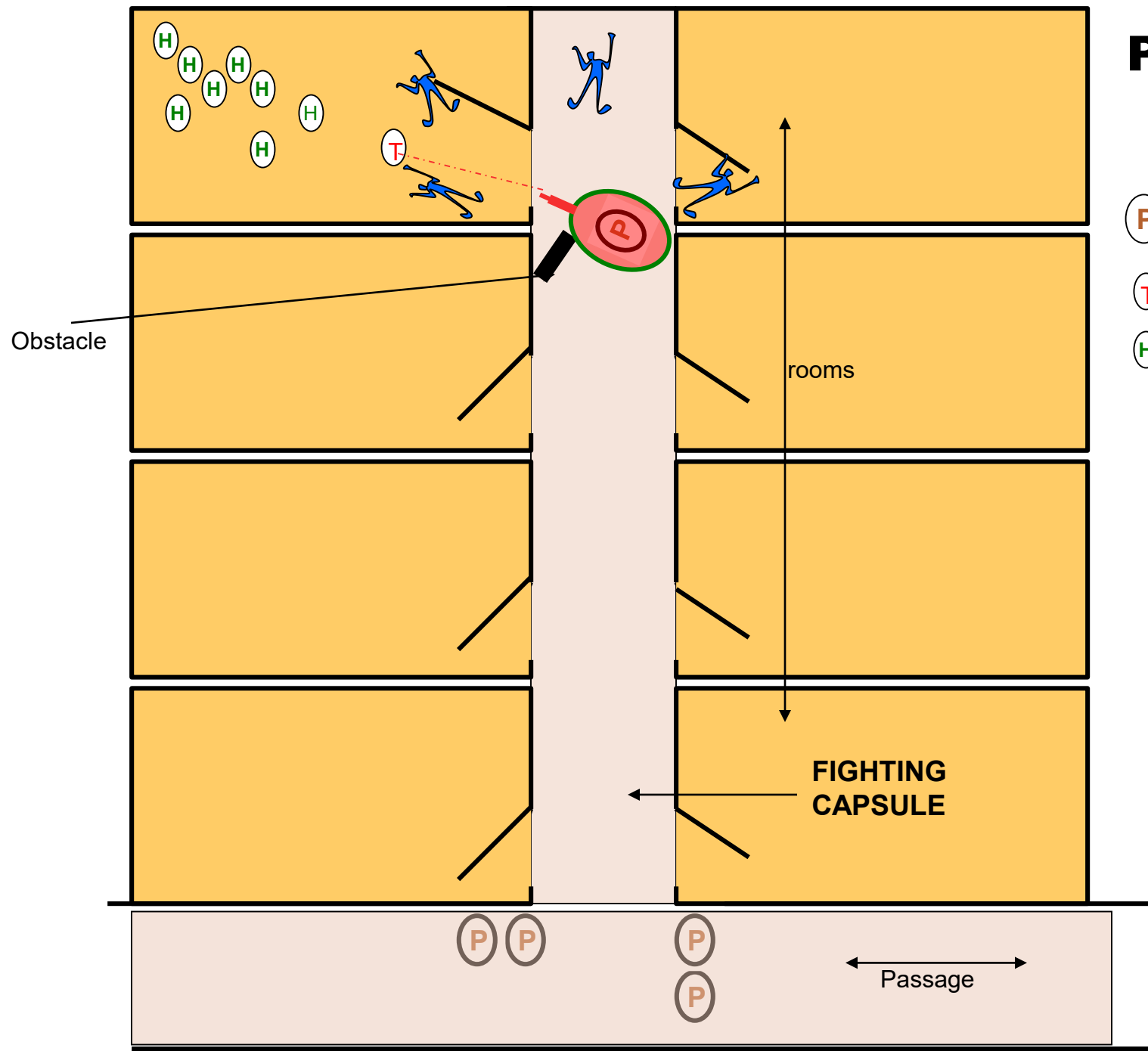
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# PROSONIC



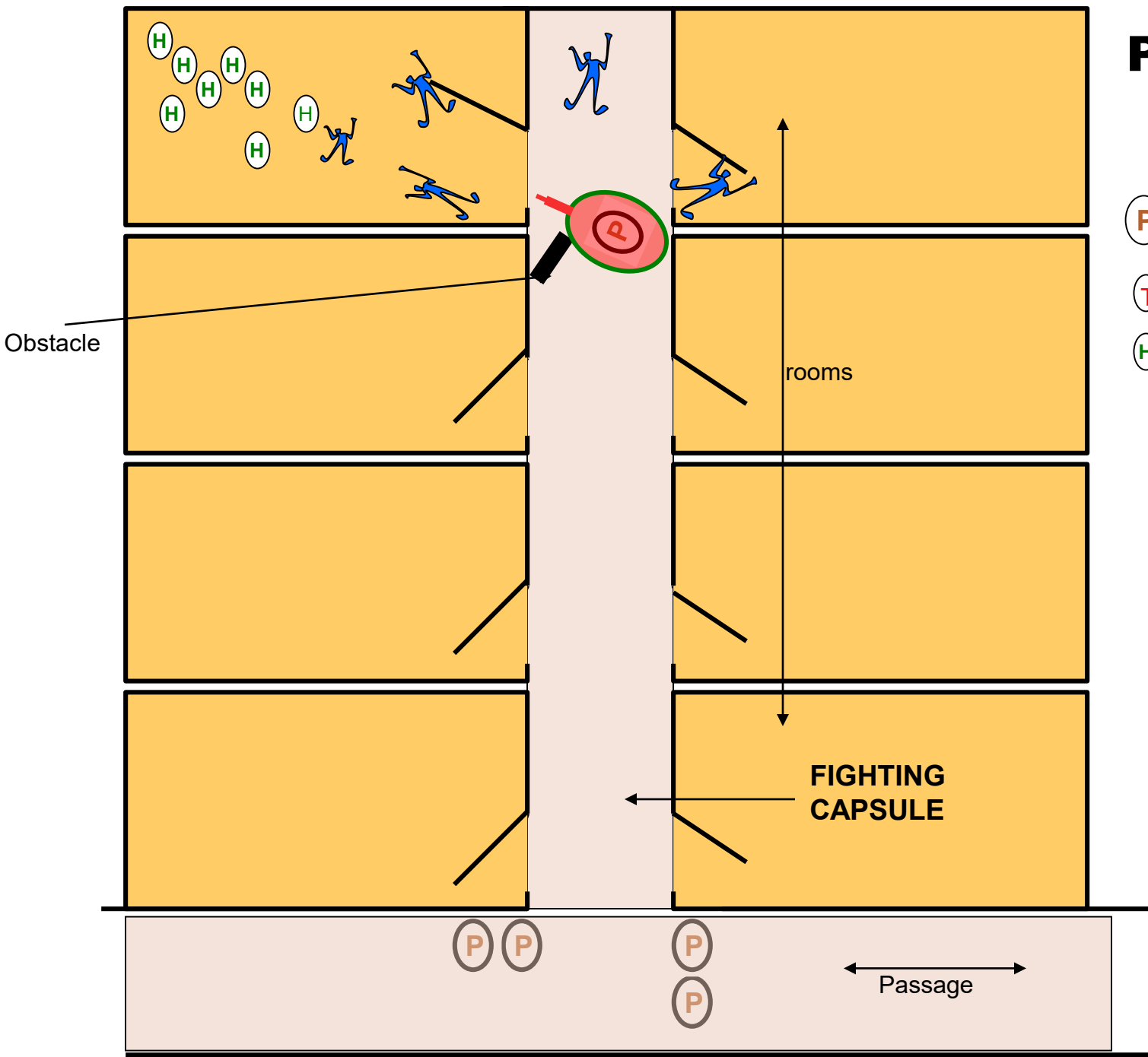
- (P)
- (T)
- (H)

(P) (P)

(P)  
(P)

← Passage →

# PROSONIC



Obstacle

rooms

FIGHTING  
CAPSULE

P

T

H

P

P

P

P

Passage



**Jay Hind**



This fighting capsule could overcome following tasks very easily.

- 1) Any type of firing, hand bombs, smoke, would not affect its task.
- 2) One army man could drive the FC the capsule while sitting inside.
- 3) This FC could travel very fast in passages of buildings more than human running speed. And even it could travel through the lifts.
- 4) FC could easily brake the doors of any rooms and enter inside
- 5) Lives of our brave soldiers could be saved by using FC.  
FC could be easily carried out the place where it is required. It could be mounted on truck and could be taken anywhere in the city as per emergency.
- 6) It could be possible to reach up to the point where the terrorist hides.

## Our past work

**PROSONIC**

- 1) Consultancy, installation of solar systems.
- 2) Offered guidance to engineering students for **R & D projects in solar energy**.
- 3) We have designed ingots preheating systems using hot exhaust gases of a Furness payback period of this system is 5-6 months. We have offered this design to one of the **Japanese company**
- 4) We have designed system of **generation of electricity by sea waves for MEDA** ( Maharashtra energy development agency) .
- 5) Solar hot air generation system (collector) was designed and installed at **Vishwakarma Institute of technology, Pune for R & D work**.
- 6) **Articles on pollution control**, energy generation were published in leading publications.
- 7) Designed and manufactured **solar dehydration systems** for fruits and vegetables.
- 8) One of my project concept for pollution control and electricity generation in mountain pass roads was submitted to **Centre for Innovation, Incubation & Entrepreneurship ( CIIE )**
- 9) **We have Designed Ayurvedic pulp drying system for “ Ayurvedic Rasashala , Pune. Which is time, fuel, labor saving up to 80%**
- 10) We have designed and manufactured **custard apple pallet separating machine** for the **first time in India**. This is labor saving and 100% hygienic. Soon We will receive the **patent** for that machine which is under process and some formality is left.
- 11) Provided consultancy to an **ISO company based in Hinjwadi**, Pune For setting up manufacturing plant of solar systems, solar cooking systems, and green energy educational kit.
- 12) We are doing a project of “fighting capsule” ( a device which could be useful to soldiers to fight against terrorist ) with HEMRL pune I will be consulting them as a innovator, designer and fabricator.