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**ITOPP**  
ALCEN

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## Directed Energy Weapon

A High-Power Microwave Effector  
Able to Destroy All Electronic Targets



from **spark** to **lightning**

## OUR TECHNOLOGY IS A PLUG & PLAY SYSTEM DESIGNED EXCLUSIVELY FOR USE BY MILITARY FORCES

### Platforms

#### Land Military Vehicles

Integrated into military trucks that are already equipped with a complete detection and categorization system.

#### Boats & Naval Warfare

Integrated in a warship, our solution is an effective electromagnetic weapon against all types of attacks without interfering with nearby radars.

#### Multipurpose Deployable Containers

Integrated in a deployable standard maritime container, our neutralization system is entirely autonomous. This solution enhances the stealth and agility capabilities of our system. It can be integrated onto the roofs of strategic sites to protect the entire premises.

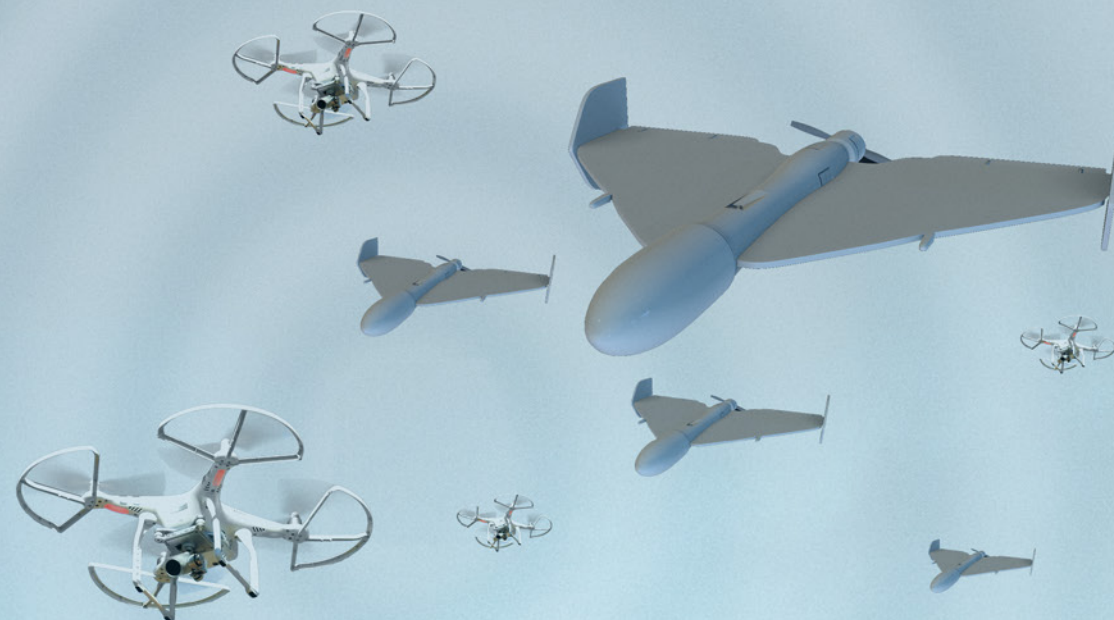
### Targets

#### Drones

After several tests, ITOPP has demonstrated its efficiency in combating all types of drones, including autonomous drones and drone swarms.

#### Missiles

Our microwave effector provides a deterrent solution against any targets equipped with electronic or electrical systems.



### CAPACITIES OF THE DEVICE

#### Destruction Zone (0 to 150 meters)

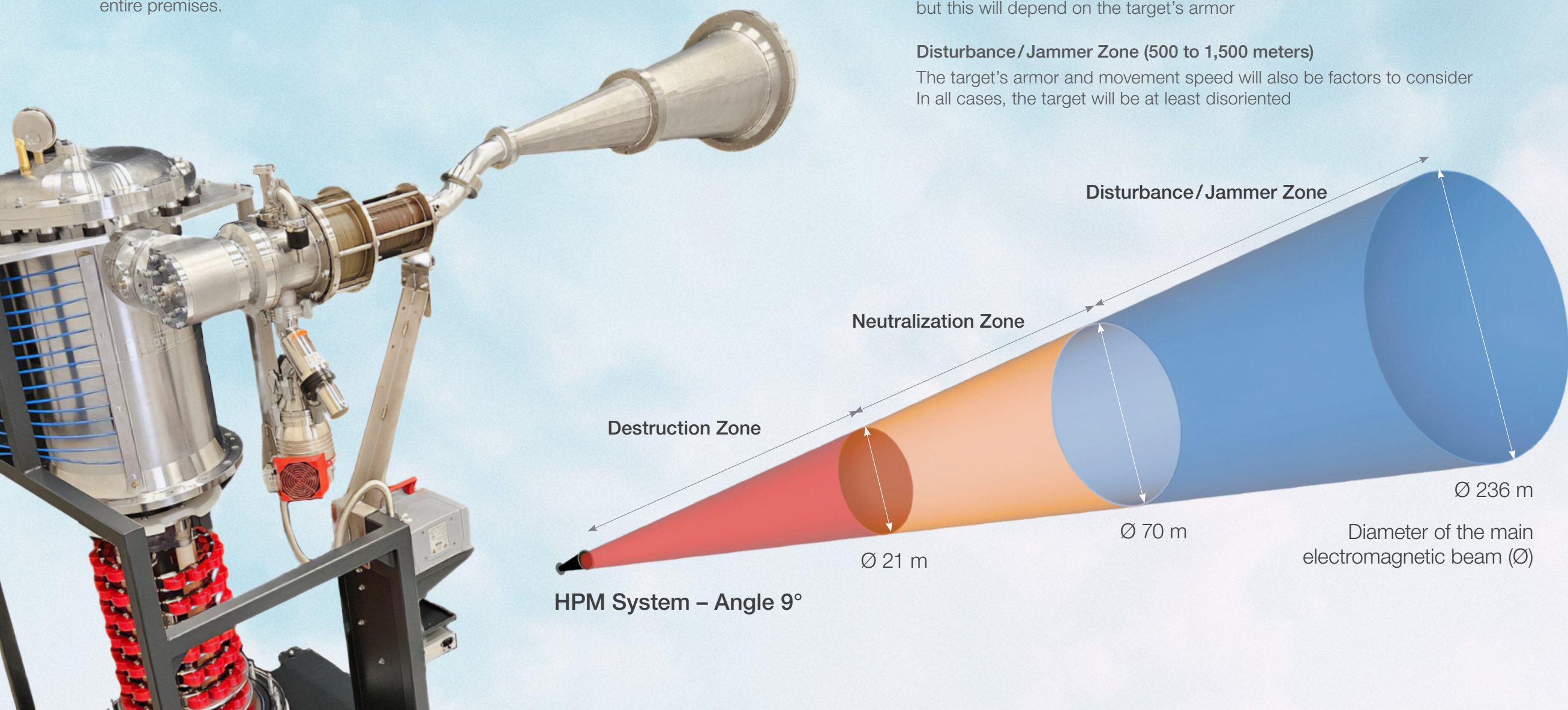
All targets are instantly neutralized by high-power electromagnetic effects

#### Neutralization Zone (150 to 500 meters)

The effects will be the same as for the first 150 meters, but this will depend on the target's armor

#### Disturbance/Jammer Zone (500 to 1,500 meters)

The target's armor and movement speed will also be factors to consider. In all cases, the target will be at least disoriented





With more than 25 years of expertise, ITOPP has become the French leader in pulsed power and high-power microwave technologies. On the basis of customer

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specifications, ITOPP designs and manufactures highly innovative systems adapted to scientific research and also to civilian and military applications.

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