

# GTA Online Spy Satellite DLC – Military Services – Smart Vehicles – Electromagnetic Pulse (EMP) Vehicles

**Image #1 Unmanned Aerial Drone EMP Delivery**



**Image #2 Hypothetical EMP Explosion**



Hypothetical EMP smart vehicle concept created as part of the GTA Online Spy Satellite DLC. The GTA Online Spy Satellite DLC is found as attachment media on my LinkedIn profile.

- LinkedIn profile link: <https://www.linkedin.com/in/edorejel>
- Concept creator: Ed Orejel, MSCS

# Brief Disclaimer



The DLC concept that is featured in this software development document is fictional. Since it is intended for GTA Online, a game that is owned by Rockstar Games, it will feature some aspects or concepts of their game to help me illustrate the DLC concept.

Any imagery that is owned by Rockstar Games, is only used by me for educational purposes, to help explain a concept that I am proposing.

No type of illegal or unauthorized modification to GTA Online is being proposed in this document. I am only reusing certain aspects of their game in a hypothetical manner. I am also including other components for addition into GTA Online.

Any other images found in this document are used solely for educational purposes and are property of their respective owners. Using any images from public sources does not mean I am claiming ownership over the images.

I will also use the GTA Online logo to help me illustrate some of the concepts I am proposing.

Overall, I think the EMP vehicle is a good concept vehicle for GTA Online. Another good vehicle concept is a jet car with equal or greater flying ability than the Hydra.

Accessing this presentation through my LinkedIn page (or any other way) does not give you the permission to distribute it nor claim it as your own work.

No relation to Rockstar Games nor GTA Online. Thank you.

Sincerely,

Ed Orejel, MSCS





# GTA Online Spy Satellite DLC – Military Services – Smart Vehicles – Brief Description – Electromagnetic Pulse (EMP)

## Electromagnetic Pulse

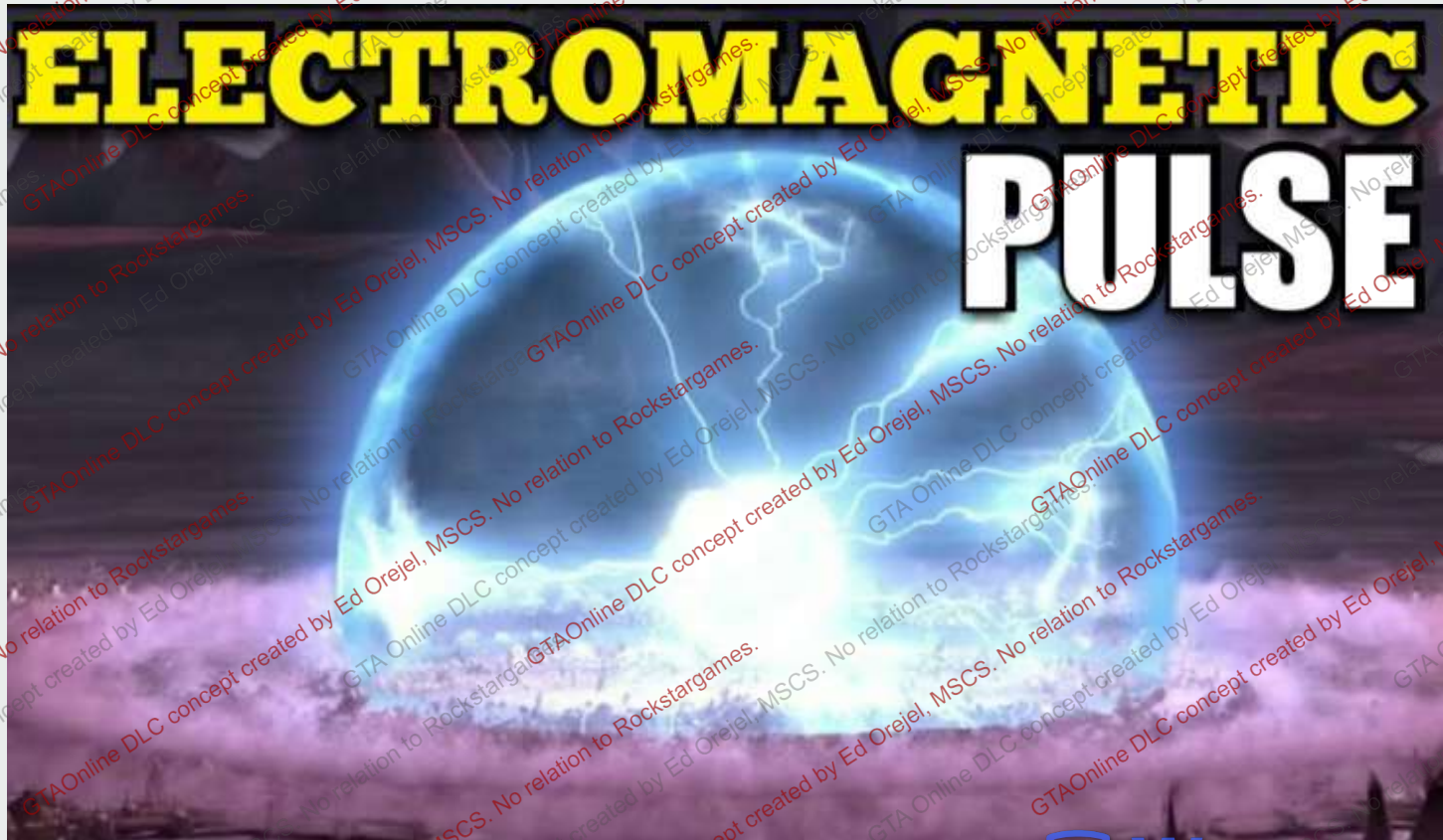
An electromagnetic pulse (EMP) is a burst of electromagnetic energy that can cause electronic devices to stop working.

Presumably, an EMP weapon could make all forms of electronic communication inoperable. Thus, a country would have no way of communicating for about 5 to 10 minutes after a significant EMP blast. Presumably, a hypersonic jet or missile attack would follow.

The actual science behind an EMP blast is not required for the EMP effects to be included in GTA Online.

Instead of the EMP blast knocking various forms of electronic communication offline in GTA Online, the EMP blast can be localized and controlled by a vehicle.

The players would initiate an EMP blast using a vehicle as the source of the EMP.







# GTA Online Spy Satellite DLC – Military Services – Smart Vehicles – Brief Description – Penned In Game



## Penned In Free Roam Lobby Contest

GTA Online had a free roam lobby contest called Penned In. It is visible in the image with the yellow half-circle shape. The words Penned In are written on it.

The contest goal was to stay inside the yellow shape until the timer ran out. Players stayed inside of the shape with their vehicles to play the game. The shape reduced in size as time progressed. The shape also moved randomly throughout the game map.

The shape can be repurposed to be viewed as an EMP blast.

The EMP blast will be continuous and it will run on a timer similar to a real EMP. In real life, the EMP timer is assumed.

The EMP effects would have to be programmed into GTA Online and be assigned to a vehicle, presumably.







# GTA Online Spy Satellite DLC – Military Services – Smart Vehicles – Brief Description – Electromagnetic Pulse (EMP)

## Electromagnetic Pulse Vehicle:

Ideal EMP vehicles are the Oppressor and Deluxo.

There are other ways to implement this in GTA Online.

Aside: I suppose for GTA6, all vehicles and all aircraft and all missiles can be susceptible to EMPs. The players would buy protection against it.

This is a fun concept.

## EMP Vehicle



## EMP Vehicle #1: Oppressor



## EMP Protection



## EMP Vehicle #2: Deluxo



 **Watermarkly**



# Explanation of Shapes, Symbols, Icons and Terminology



## Electromagnetic Pulse Power Level:

For robustness, the EMP blast can be broken down into vehicle upgrades:

1. EMP Blast Level #1 – only affects ground vehicles.
2. EMP Blast Level #2 – only affects aircraft.
3. EMP Blast Level #3 – only affects boats.
4. EMP Blast Level #4 – affects all incoming missiles including handheld RPG launcher and Homing launcher missiles.
5. EMP Blast Level #5 – affects all of the above conditions, thereby, maxing out the upgrade.

## Player Cell Phone

The player's in-game cell phone can receive an upgrade, so that in-game cell phone communications are not affected.

## EMP Blast from EMP Vehicle



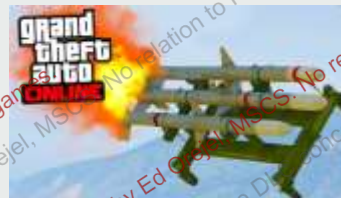
## All RPG and Homing Missiles Affected



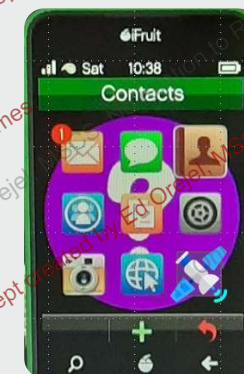
## All Aircraft Affected



## All Missiles Affected



## Player Cell Phone



## All Watercraft Affected



## All Vehicles Affected



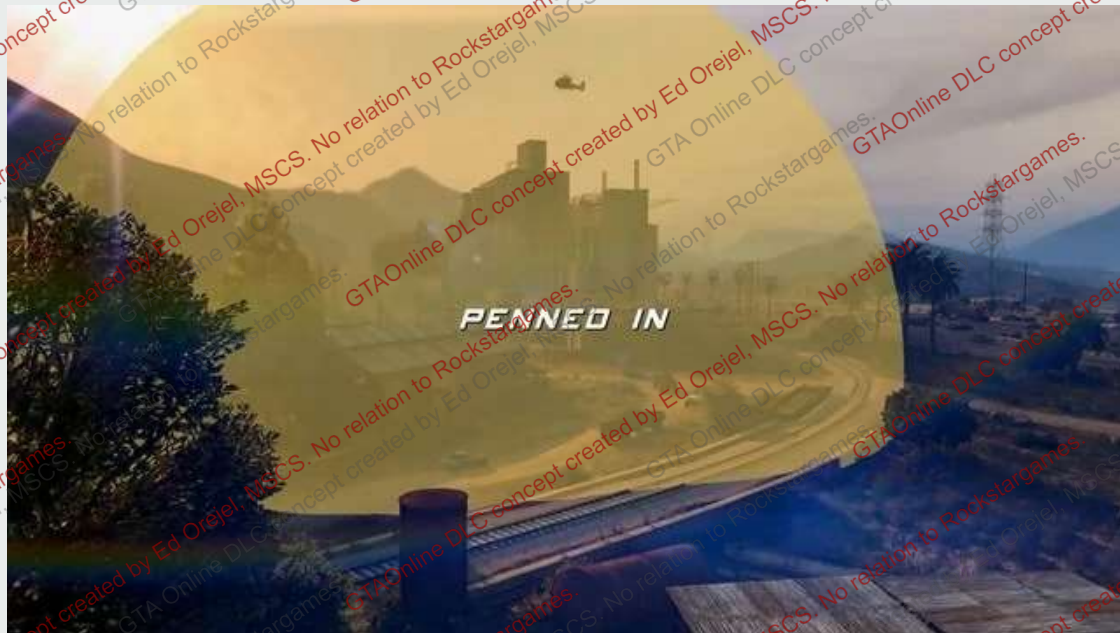
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# Penned In Dome – EMP Blast - Comparison



**GTA Online free roam lobby game: Penned In**



**Hypothetical Electromagnetic Pulse Blast**





# Explanation of Shapes, Symbols, Icons and Terminology



## Sample EMP Aerial Drone Delivery

Image #1 shows what could be an EMP being delivered using an unmanned aerial drone. This is not the method I am proposing.



## EMP Landmine in GTA Online

EMP landmines are found in GTA Online. This is not what I am proposing. This method is effective, but I think the EMP concept can be taken to the next level by creating a smart vehicle that emits EMPs for its main weapon..



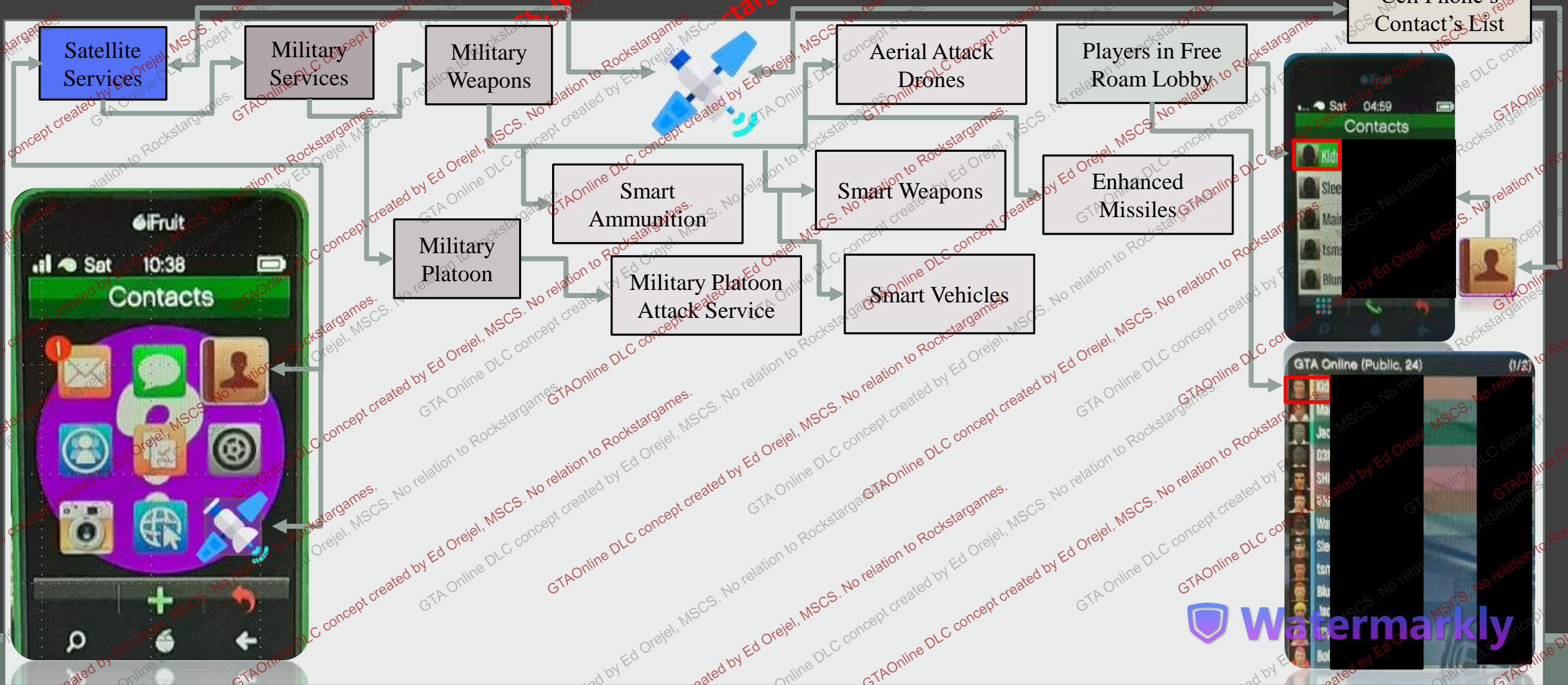
## EMP Weapon in GTA Online

An EMP weapon is currently in GTA Online. This method is also effective. However, an EMP vehicle could still prove fruitful in GTA Online. The weapon also has limited reach. An EMP vehicle would create a very competitive environment.



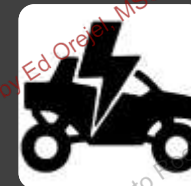


# Conceptual Overview of Spy Satellite Military Services – Top-Level Component View – Military Services





# Top-Level Component View – Military Services – Smart Vehicles – EMP Vehicles



Cell Phone's  
Contact's List

Satellite  
Services

Military  
Services

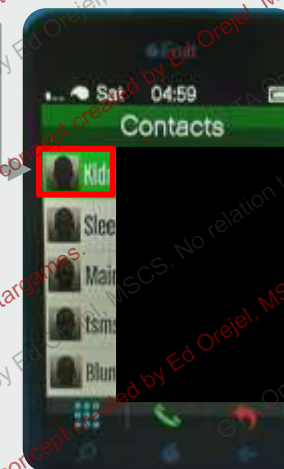
Military  
Weapons



Players in Free  
Roam Lobby

EMP Vehicles

Smart Vehicles



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# Sources

- Electronics-killing EMP weapons for combat aircraft is focus of \$15 million contract to Raytheon
  - <https://www.militaryaerospace.com/rf-analog/article/16726354/electronicskilling-emp-weapons-for-combat-aircraft-is-focus-of-15-million-contract-to-raytheon>
- Finally, a presidential EMP order that may save American lives
  - <https://thehill.com/opinion/national-security/436222-finally-a-presidential-emp-order-that-may-save-american-lives/>
- Image #1 Source
  - Electronics-killing EMP weapons for combat aircraft is focus of \$15 million contract to Raytheon
  - <https://www.militaryaerospace.com/rf-analog/article/16726354/electronicskilling-emp-weapons-for-combat-aircraft-is-focus-of-15-million-contract-to-raytheon>
- Image #2 Source
  - Air Force Confirms Electromagnetic Pulse Weapon
  - <https://www.cnn.com/videos/us/2015/05/25/orig-boeing-electromagnetic-pulse-weapon.cnn>
- Penned In – GTA Online Free Roam Contest
  - [http://gtaforum.com/wiki/Penned\\_In#~:text=9%20Navigation,Description,of%20the%20players%20killing%20them](http://gtaforum.com/wiki/Penned_In#~:text=9%20Navigation,Description,of%20the%20players%20killing%20them)