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





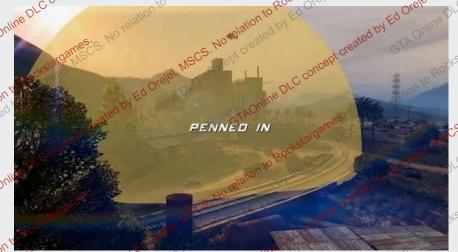


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GTA Online Penned In Free Roam Lobby Contest







Hypothetical DLC concept created for GTA Online. Concept is titled GTA Online. Spy Satellite DLC.

Concept presented in this document is an EMP-capable Smart Vehicle provided by the special satellite's Military Services.

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

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 Lam 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 regulating 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. images from public sources does not mean Lam claiming ownership over the images.

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

Accessing this presentation through my Linkedke page (or any other way) does not give wn work

C concept created by Ed Orejel, MSCS, No. A Brief Disclaimer on Electromagnetic Pulse C Li concept created by Ed Oreiel, MSCS. No res In addition, I present a sample illustration of an electromagnetic pulse (EMP) blast. The sample illustration was created coefficients. PowerPoint. My Master of Science is in Computer Science. I am leaning towards C++ graphics and video game engine design quite heavily. This means I am not a graphic artist. I only draw what I need to help explain a concept. The sample EMP illustration should be easy to understand with hy limited artistic skills. C concept created by Ed Orejel, MSC 3. Tuncept created by Ed Oreigil, MSCS. No relation to Rockstargame

EMP Vehicle



Military Group



Sel Orejel, MSCS

I am currently deconstructing (learning) GTA Online's Targeting Homing, and Explosion System to adapt it to some components found in the GTA Online Spy Satellite DLC. In doing that process, I created the concept of an EMP-capable smart vehicle for use in the GTA Online Satellite DLC.

In this presentation, I will focus on the EMP capable smart vehicle. Launch an electromagnetic pulse (EMP) attack.

- o The EMP attack will originate from the cenicle.
- The EMP attackwill run on a timer once launched
- EMP blast will affect most vehicles and weapons with a computer go electrical system inside of them.

The players in GTA Online will be able to launch an electromagnetic pulse (EMP) attack against others players of NPCs in the city of Sa Andreas. The players will use the EAP-capable vehicle to launch the EMP attacks. After exposure to the EMP attack, most vehicles in the city of San Andreas will be affected.

The EMP blast will disable affected vehicles, including aircraft and watercraft, for a brief period. In GTA Online's tree roam lobbys a brief period of time capprender a significant advantage to a prayer against another player or players.

GPA Online's Targeting, Homing, and Explosion System and the EMP-capable of the constructed and designed only of the constructed and designed on the co from the user's perspective. I am not looking at any actual C

Sincerely

panding on Vision Statement — Rationale for the New Addition to GTA Onli

EMP Vehicle

Military Group



EMP Blast Online DLC

All vehicles in San Andreas have computers inside of them. The computers range in ability and are designed to make the vehicle function when a driver or operator attempts to use the vehicle. The vehicles computers emit various signals when the vehicle is in governation or when the vekicle has powers.

Ab vehicles in San Andreas are assumed to a ways have power and gas to start the engine. The Military Group will exploit the electrical systems in most vehicles by disabling them using an electromagnetic pulse (EMP) attack. Some vehicles will be resistant to the EMP attack.

GTA Online has many vehicles that fly. An EMP-capable vehicle should have the ability to fly. This is so the EMP-capable vehicle can position itself near other flying aircraft to disable them in midair with the EMP attack

In additions most of the abilities of create an EMP attack using an EMP-capable vehicle are currently in GTA Quine, but in separate and the se components. The components to greate the EMP concept that I am proposing would have to be repurposed, modified, and assembled (encapsylated) into a distinct will component, so that the EMP functions as intended.

This concept was created from the user's perspective without looking as any C++ code or other code that belongs to Rockstar Games.

Brief Description — Electromagnetic Pulse

Electromognetic Pulse

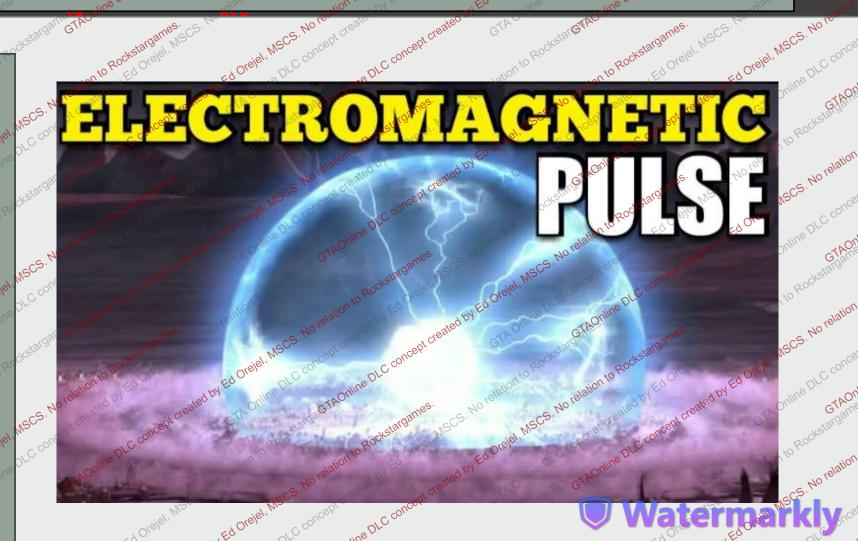
An electromagnetic pulse (EMP) is a burst of electromagnetic energy that can eause electronic devices to stop working.

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 hypersonic 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 conocking various forms of electronic communication offline in STA 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 concerns.



Brief Description Policy Penned In Game

Penned Jorree Roam Lobby Contest

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.

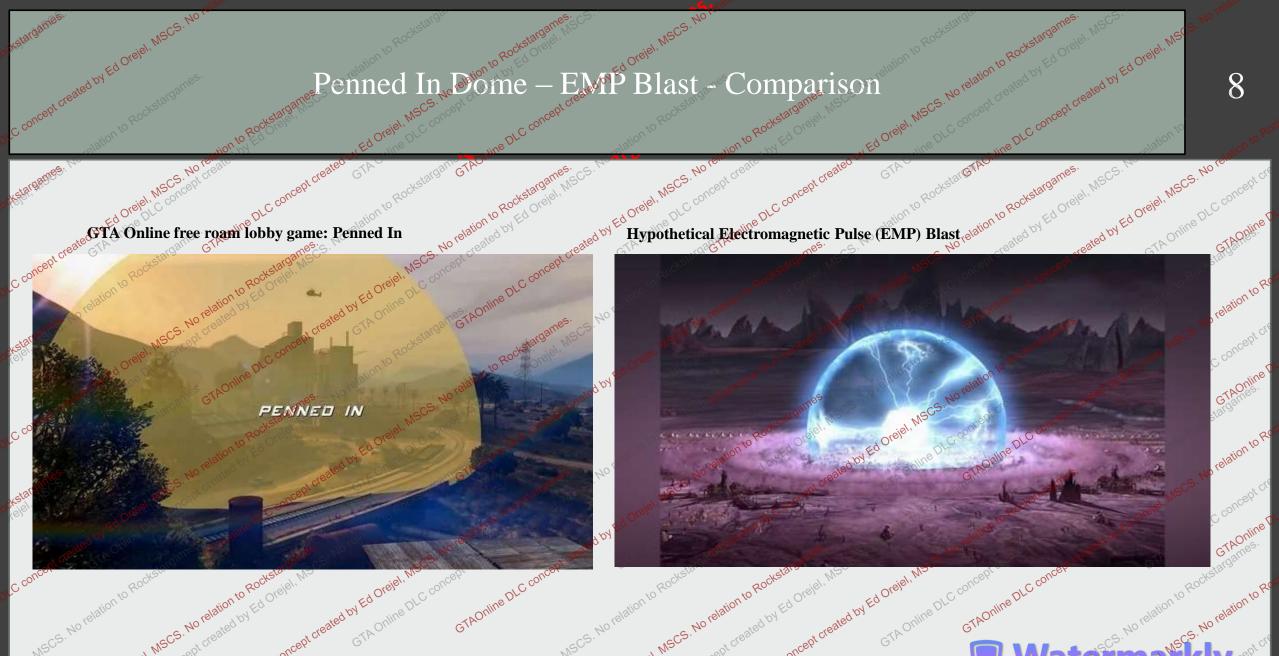
The shape can be repurposed to be viewed as an EMP blast.

The EMR Plast will be continuous and it will run on a time? similar to a real EMP. In real life, the EMP

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

PENNED

Blast - Comparison





Smart Vehicle Concept — Proposed EMP Attack Capability — The EMP Attack With No Vehicle — Sample EMP Illustration



Electromognetic Pulse Vehicles Oppressor

The electromagnetic pulse (EMP) attack should resemble a giant sphere of electrical energy.

A sample EMP sphere is shown on the right, was a sphere of electrical energy.

For the smart EMP vehicle as part of the GTA Online Spy Satellite DLCethe EMP will emanate from the vehicle. While the EMP attack is engaged, it will form a sphere around the vehicle.

To make the EMP unique, different colors can be used by the players.

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

- 1. EMP Blast Level #1 only affects ground vehicles.
- 2. EMP Blast Level #2 only affects aircraft.
- 3. EMPBlast Level #3 only affects boats.
- 4. EMP Blast Level #40 affects all incoming missiles including handheld oreder RPG launcher and Homing launcher missiles.
- 5. EMP Blast Level #5 affects all of the above conditions, thereby, maxing out the upgrade.

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

An a viP-meable vehicle Ovuld be an interesting addition to GTA Only E.



Smart Vehicle Concept — Proposed EMP Attack Capability — Vehicle — Oppressor — Sample EMP Illustration —



Electromognetic Pulse Vehicles Oppressor

The Oppressor is shown on the right, to has activated the Electromagnetic Pulser (EMP) weapon. The EMP will expland in size as the attack is engaged.

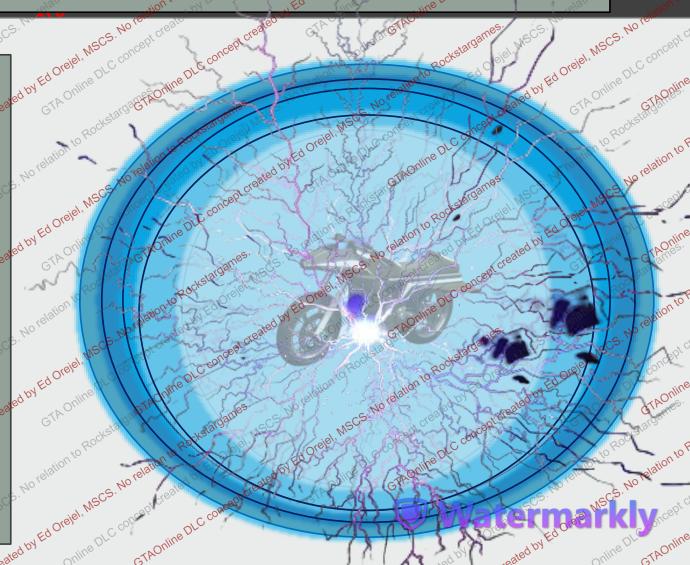
The Oppressor motorcycle remains at the radics of the circular EMV attack as the EMP attack increases in size.

The EMP attack will move with the Oppressor as it is driven by the player.

The Oppressor will be able to fly and engage the EMP attack in midair. The EMP sphere will be visible while airborne. While on the ground, the EMP stack will resemble a half sphere, we hicles on top of freeway overpasses are affected as the EMP vehicle travels through the underpass.

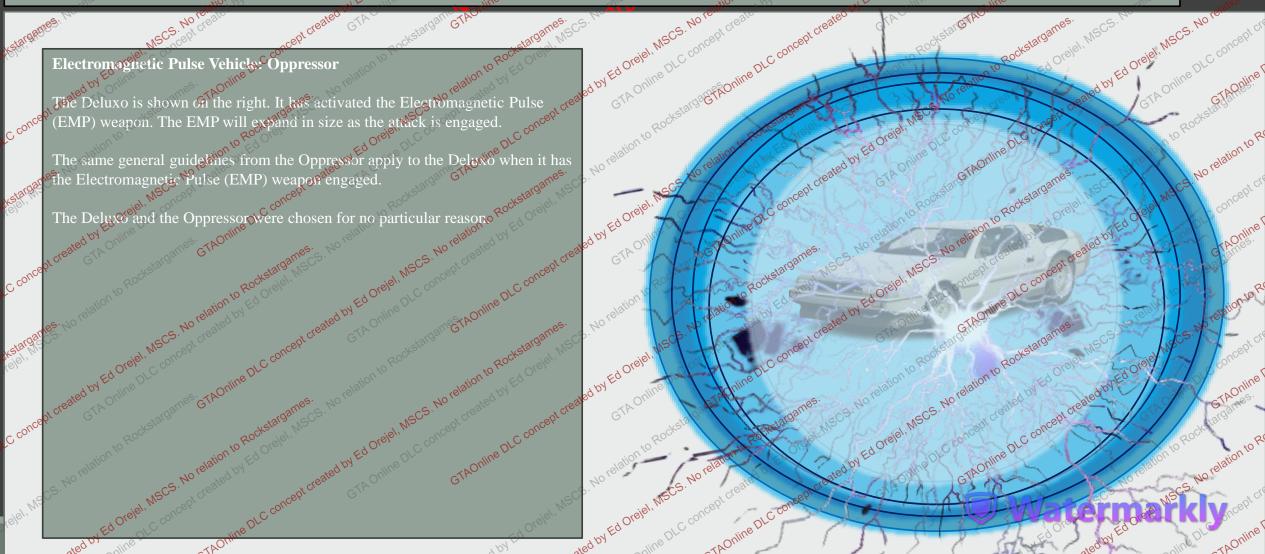
At all times, the Oppressor should remain at the center of the EMP attack.

The EMP attack should resemble a giant sphere of electrical energy.











Smart Vehicle Concept — Proposed EMP Attack Capability — EMP Attack Circumference — Sample Illustration, — The Concept — Proposed EMP Attack Capability — EMP Attack Circumference — Sample Illustration, — The Concept — Proposed EMP Attack Capability — The Concept —



Electromognetic Pulse Vehicle Attack

The circumference of the EMP attack, should stretch from one end of the sidewalk, to the other end of the sidewalk, going from left-to-right.

See the arrows going from left-to-right, o

The circumference of the EMP attack should stretch the same distance from too bottom. See the arrow pointing up. See the yellow circular shape for a potential size of the EMP attack.

See the vehicles for a comparison of the EMP attack, compare the Size of the attack to the vehicles in the image.

The Oppressor or Delux conflict remain at the radius of the EMP sphere.

At this size, this makes the smart EMP vehicle concept an interesting addition to GTA Online because the vehicle will be a rolling EMP device shutting down vehicles within its reach.



Brief Description S

reight MSCS. No release OLC concept created

EMP landmines are found in GTA Online. This is not what I am proposing. This method is a second to the second to t next level by creating a smart vehicle that emits EMPs for its main weapon, of

An EMP weapon is currently in GTA Online.

This method is also effective. However, an concept created by Ed Oreight. MSCS. It is method in also the fruitful in the Carte of the Concept created by Ed Oreight. MSCS. It is method in also the concept created by Ed Oreight. MSCS. It is method in also the concept created by Ed Oreight. MSCS. It is method in also the concept created by Ed Oreight. MSCS. It is method in a concept created by Ed Oreight. MS competitive environment.

Brief Description — Sample EMP Artacks — A Attacks Not in GTA Or

an EMP missile. This is not presentation. I do, however, have EMP missiles as some proposing in this presentation a different part of the GTA Out of Satellite DLC, and the same proposing in this presentation. And the state of the GTA Online

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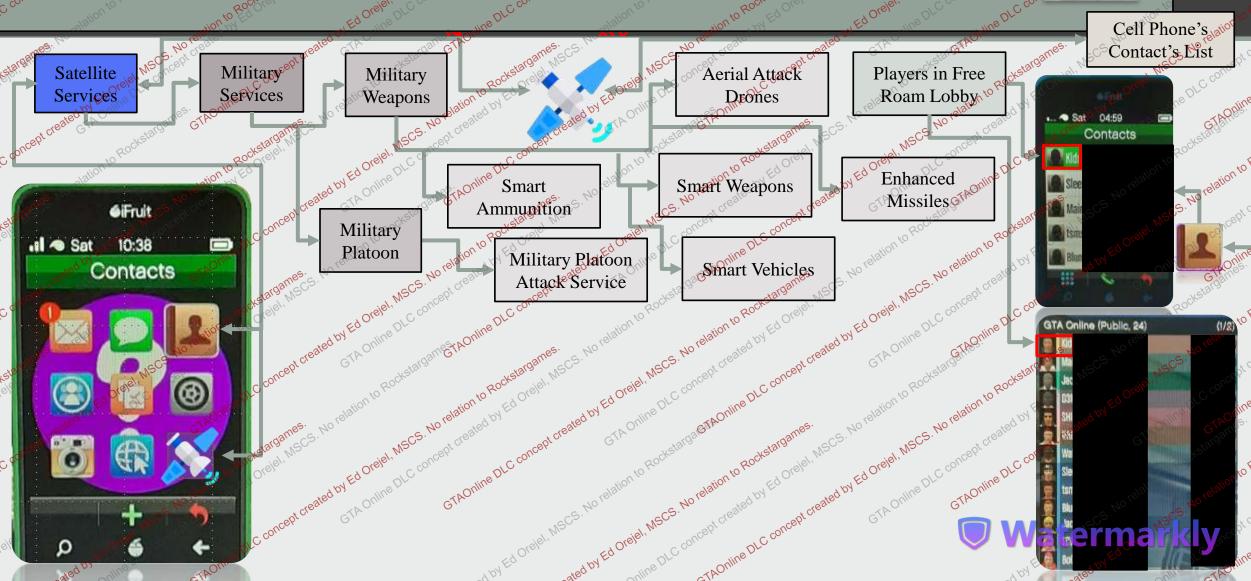
Sample EMP Aerial Drone Delivery

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



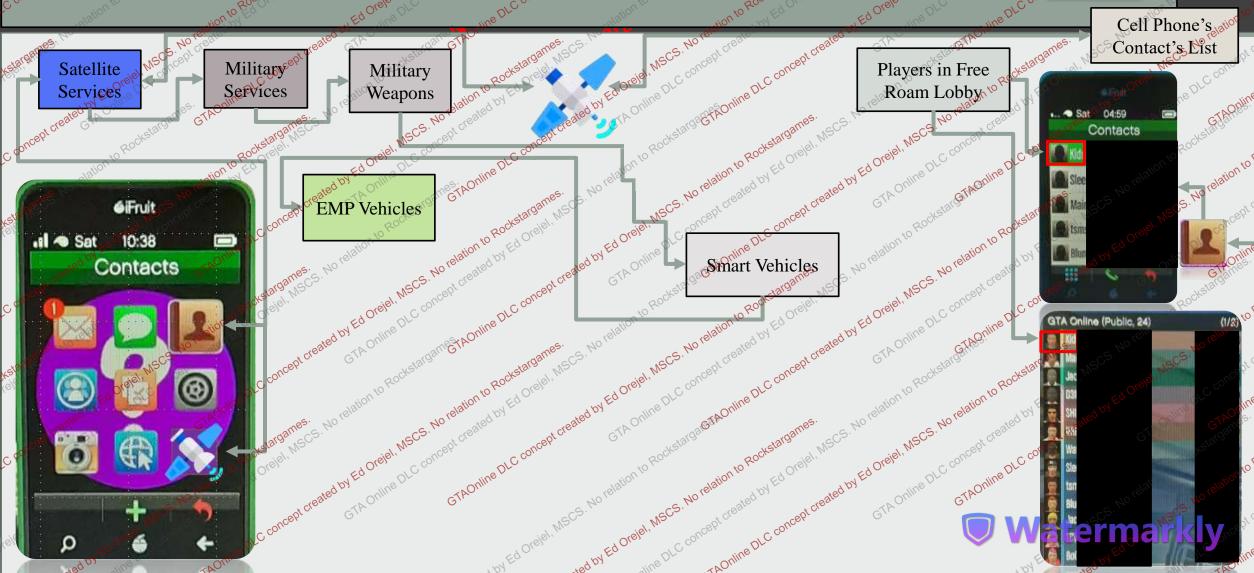


Conceptual Overview of Spy Satellite Military Services — Top-Level Component View — Military Services — Top-Level





Top-Level Component View— Military Services— Sprärt Vehicles— EMP Vehicles—



Top-Level Component View— Military Services— Smart Vehicles— EMP Vehicles—

• Electronics-killing EMP weapons for combat aircraft is focus of \$15 million contract to Raytheor Fo

- https://www.militaryaggospace.com/rf-analog/article/16726354/electronicskilling-emp-weapons-for-combat-aircraft-is-fogusraytheon
- Finally, a presidential EMP order that may save American lives of
 - https://themill.com/opinion/national-security/436234-finally-a-presidential-emp-order-that-may-save-americae-li
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 - Electronics-killing EMP weapons for combat aircraft is focus of \$15 million contract to Raytheon Co
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- Image #2 Source
 - Air Force Configuration Electromagnetic Preise Weapon
 - https://www.om.com/videos/us/2005/05/25/orig-boeingselectromagnetic-pulse-weapon.cng
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 - https://gta.fandom.com/woki/Penned_In#:~:text=9%20Navigation-, Description, to %20other%20players %20
- Chinese EMP Missile Image
 - China's EMP reissile would plunge cities into daybiness
 - https://asigtimes.com/2021/09/chinas-emp-missile-would-plunge-cities-into-darknes