

Model Name: PURA

Plasma mobile Application
Anti-infection in a COVID-19

Cold Plasma_ Antibiotic treatment material

- Sterilization by ionization system
- Friendly all type of surfaces
- Low Energy
- Safe (Medical treatment mechanism)
- No residue

Zirconia (mineral baddeleyite) _ Device body material

- white crystalline oxide of zirconium
- Bio material:Naturally occurring form

Wireless Charger

Size: 35(W) * 35(D)*170(H) [Unit:mm]

Weight: 120g



Master's Thesis

Title: Plasma Sterilization System (PURA)
Safe Daily Life Plasma Self-Application
Student: Soeun Paek
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PURA
Plasma Sterilization System



MSc in PRODUCT DESIGN _ a.y 2018 / 2020

• Summarise of main course of Product Design Studio Programme •



Product Design Studio I _ Product presentation

Subject: Design Memory | Souvenir Design XII Rione di Ripa
Product name: Aventine Hill Keyhole

Presented by Modelling, Rendering, Technical drawing, Package, Poster, Brochure and Video
Sintering 3D Print process, Laser-cut plexiglass for cover and decoration for brand mark



Product Design Studio II _ Mechanical tests models and prototypes

Collaboration with material company ABET LAMINATI [workshop]

Product: Adjustable & Assemble compact table for DJ

Presented by Modelling, Rendering, Prototype, Mechanic tests and Booklet

Material: Aluminium Honeycomb Sandwich Panel by ABET LAMINATI



Product Design Studio III _ Internet Of Things

Subject: Celebrate for 100 Years of Bauhaus '2019' product application I.O.T
Product: Children Game by Alma Siedoff Busher

Past's Bauhaus design product representation through the today's technology (with Arduino)
apply on IOT system for autism disorder children. The idea by interview with who was the worked
in pediatrics for children special disorder. Presented by Prototype with different texture of surface
materials for learning the autism disorder could adopt various type of sense.



Product Design Studio IV _ Services and social innovation

Subject: Mobility _Service & Social innovation

Service system: EMO_Electric Mobility system in Sapienza University Users

User Experience (UX) design methodology, started from observation user with interview
build the persona through users, drawing design proposal by Functionality, Usability, Morphology
and Storyboard.



Product Design StudioV _ Technologies of innovative materials

Design of innovative materials [workshop]

Subject: Design organic waste to bio material

Product: Coffee Shoe Box | 3D_printed & Laser-cut by Lab-S.D.F

Considering on Italian ordinary life as a 'cafe lover' choose the Coffee Ground as the organic waste.
Also, the material has features that mitigate odor that is applied in a shoebox with the decorative role.
The biomaterial workshop program helps to understand the process well based on the SDG mission.

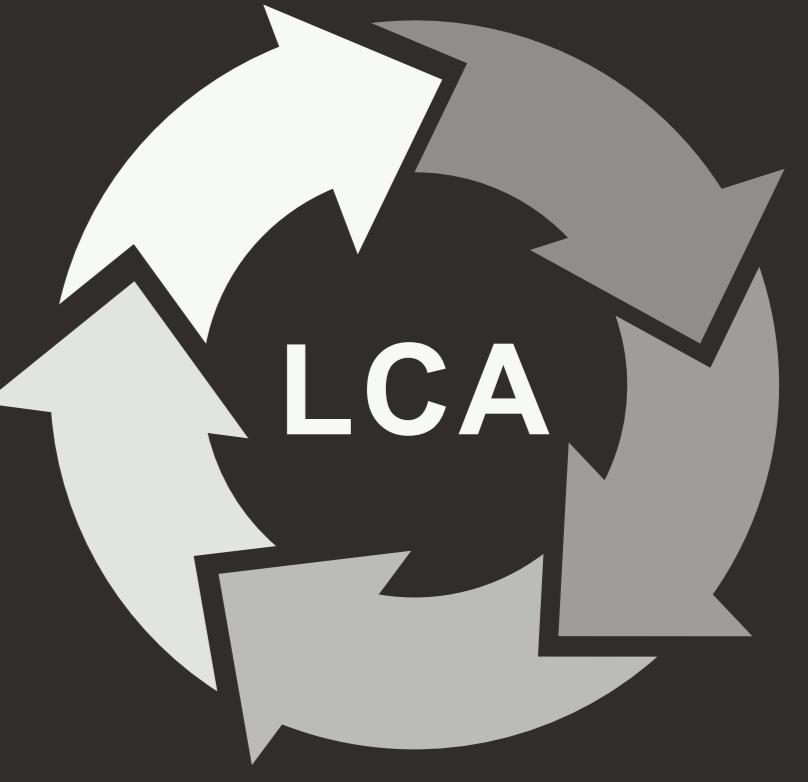


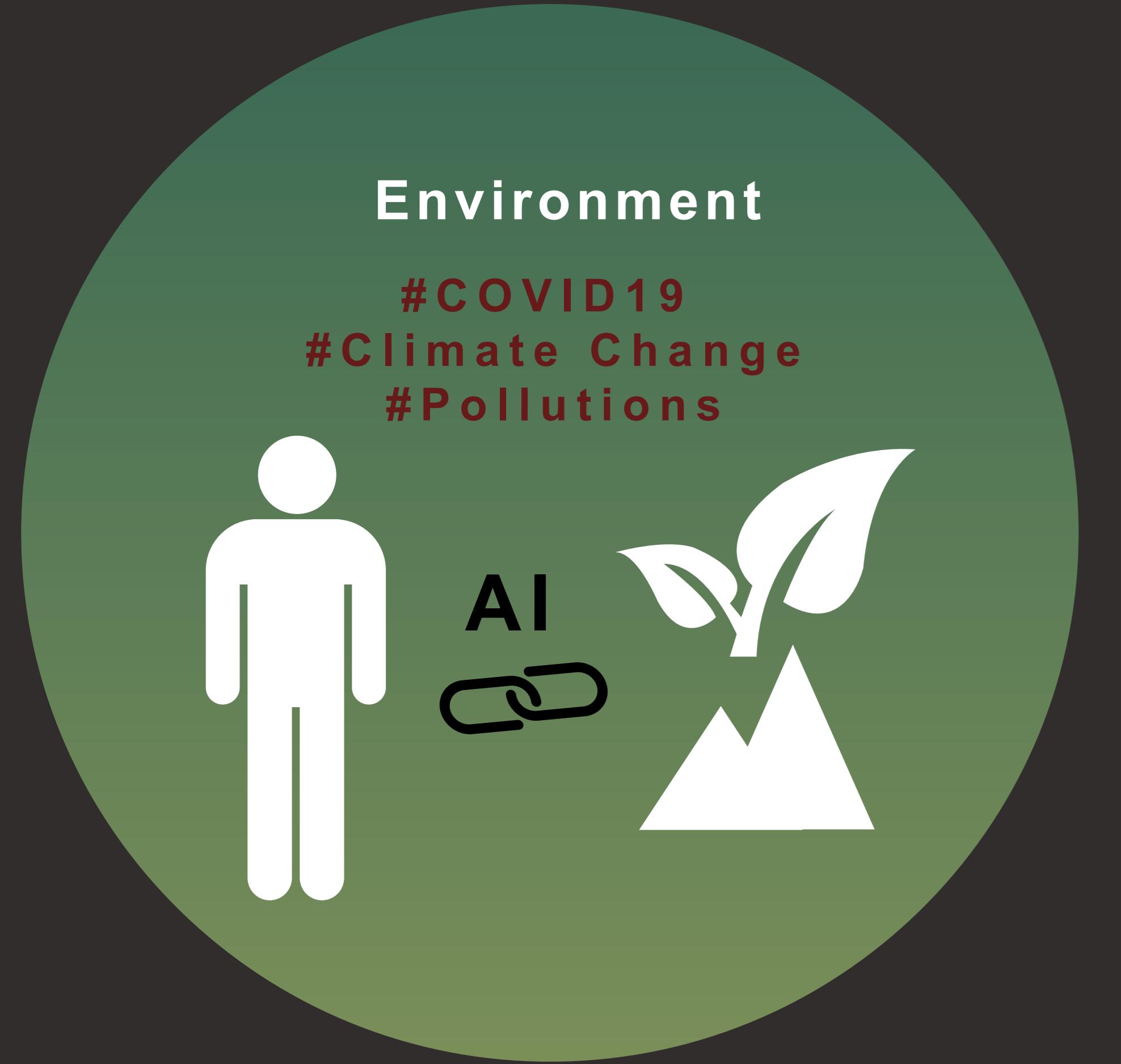
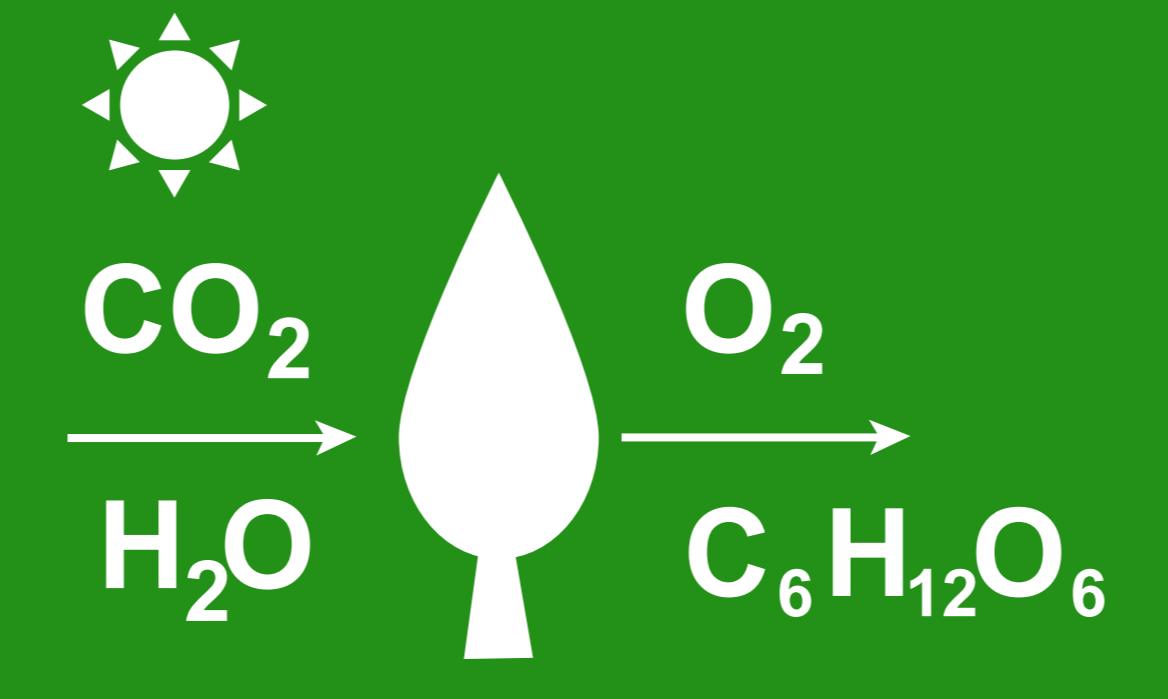
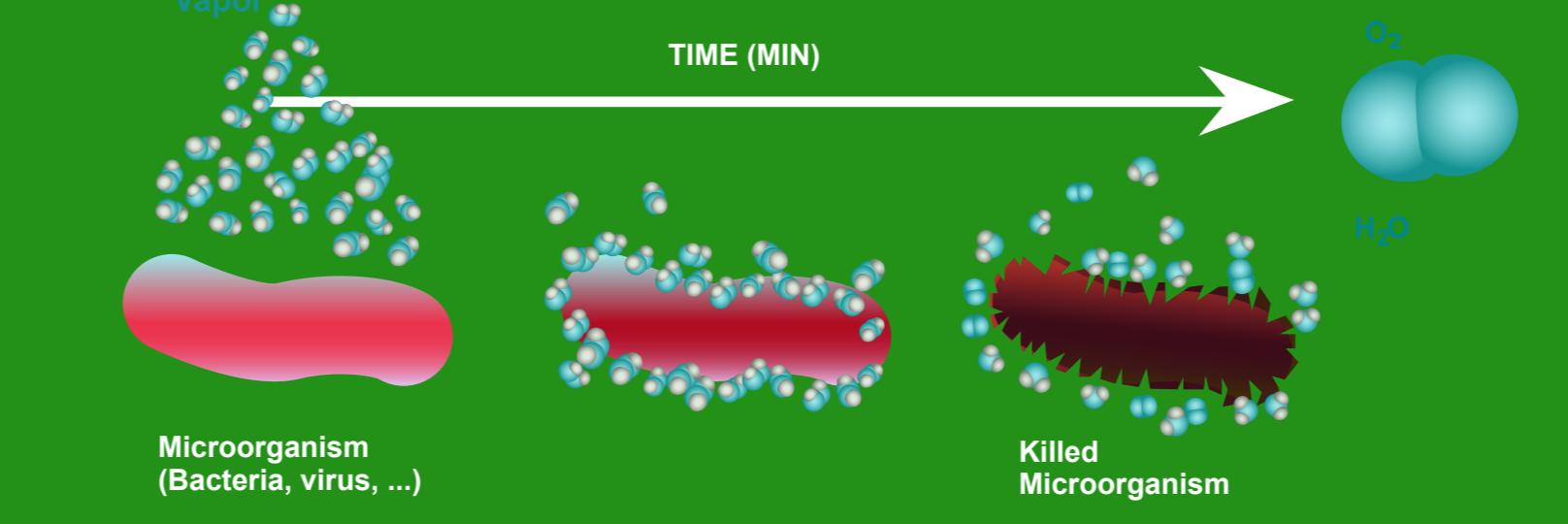
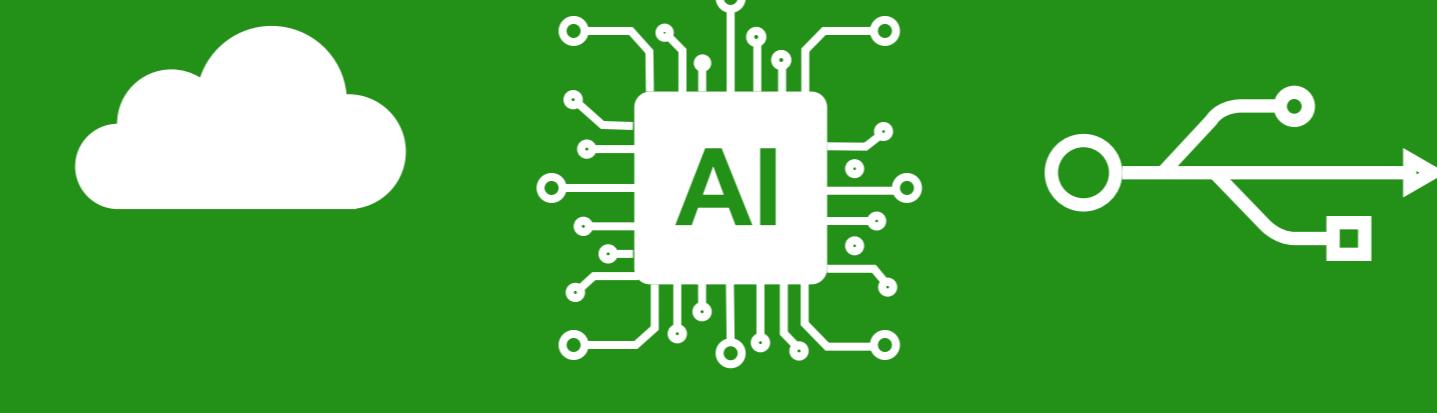
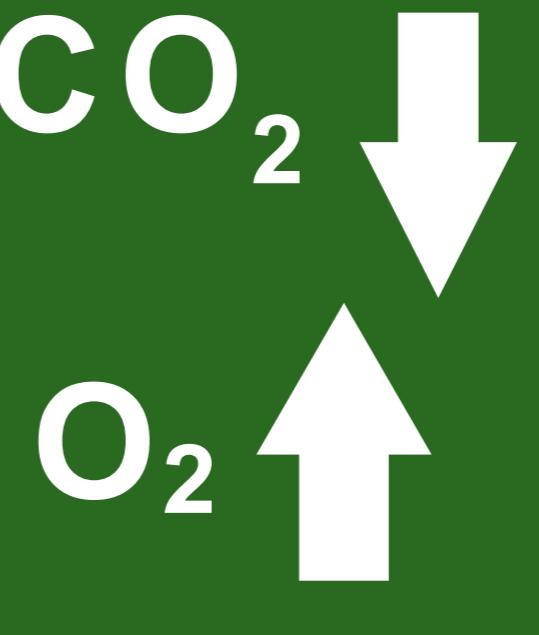
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Green Industry in a Smart World 4.0

The Process of O2O Transformation Green System in a Multi-crisis



Introduction	Objective	Process of system	Role	Conclusion
<p>Can create construct sustainable & circularly to environment in a multi- crisis with a 4IR that follow the natural ecology system process depends to against to anti-infection (by pandemic) and Climate change (by Global warming)?</p>  <p>Environment #COVID19 #Climate Change #Pollutions</p> <p>Green Industry in a Smart Wolrd 4.0 By Naturally to be a Nature</p>	<p>PSS system (SMART PLASMA PLANTS)</p> <p>BIOTECH</p>  <p>INFOTECH</p>  <p>ENERGY SYSTEM</p> 	<p>Photosynthesis</p>  <p>Ionization</p>  <p>storage, analysis & prediction and edit to optimal productivity</p>  <p>by Nature process</p> 	 <p>Anti-Infection Eco-friendly</p>  <p>O2O Transformation</p> <p>Energy by nature Resource</p>	<ol style="list-style-type: none"> 1. Reduct the carbon footprint 2. Life Cycle Assessment 3. Sustainable circle 4. Renewable Energy 5. Recyclable 6. Upcycling 7. Regenerative Design 8. Net Positive 9. Circular Economy









