



Medalles ADI  
Medallas ADI  
ADI Medals

ID del Projecte  
Project ID

559

30/06/2023

Nom del projecte  
Project name

Neoshell

Plafó  
Panel

[https://adifad.org/register/uploads/2024/MEDALLES/559/1705608469\\_559.pdf](https://adifad.org/register/uploads/2024/MEDALLES/559/1705608469_559.pdf)

Memòria  
Project report

[https://adifad.org/register/uploads/2024/MEDALLES/559/1705614963\\_559.pdf](https://adifad.org/register/uploads/2024/MEDALLES/559/1705614963_559.pdf)

Vídeo  
Video

[https://www.youtube.com/watch?v=\\_QHFBp7E1P4](https://www.youtube.com/watch?v=_QHFBp7E1P4)



Neoshell, incubadora neonatal, neix per millorar la tecnologia per al cuidat dels prematurs. L'objectiu és abordar desafiaments com ara l'accessibilitat, neteja, inclinació, opacitat i humitat, prioritant el confort dels nounats. La doble cúpula ofereix un mecanisme ajustable per facilitar la feina del personal mèdic, millorant intervencions i manteniment. La inclinació electrònica del bressol, des de l'exterior de la cúpula, preveu riscos d'asfíxia i optimitza neteja i fiabilitat. Cúpules polaritzades asseguren desenvolupament ocular òptim, sent ovalades per prevenir lesions de les gotes d'aigua. Neoshell no només avança la cura neonatal, si no alleuja càrregues econòmiques i emocionals, reduint necessitat d'atenció mèdica i permetent a pares centrar-se en benestar dels nadons.

Neoshell, a neonatal incubator, was born to improve technology for premature care, addressing challenges such as accessibility, cleanliness, tilt, opacity and humidity. With infant comfort at the forefront, the dual dome offers an adjustable mechanism to facilitate the work of medical staff, improving interventions and maintenance. Electronic tilt of the cradle, from outside the dome, anticipates asphyxia risks and optimises cleanliness and reliability. Polarised domes ensure optimal eye development and are oval shaped to prevent water droplet injuries. Neoshell not only advances neonatal care, it also eases the economic and emotional burden by reducing the need for medical care and allowing parents to focus on their baby's well-being.



Medalles ADI  
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ID del Projecte  
Project ID

570

10/01/2022

Nom del projecte  
Project name

Form Follows Taste

Plafó  
Panel

[https://adifad.org/register/uploads/2024/MEDALLES/570/1704449379\\_570.pdf](https://adifad.org/register/uploads/2024/MEDALLES/570/1704449379_570.pdf)

Memòria  
Project report

<https://drive.google.com/file/d/19dZLNMSL-OhkSOIYB9Ouksy9yWfIPbXF/view?usp=sharing>

Vídeo  
Video

<https://drive.google.com/file/d/19dZLNMSL-OhkSOIYB9Ouksy9yWfIPbXF/view?usp=sharing>



L'objectiu d'aquest projecte és investigar i experimentar, com afecta la forma del recipient a la percepció i tast del vi, per tal de dissenyar recipients, instruments o eines, que ens permetin gaudir del vi a diferents nivells sensorials i perceptius, en una nova experiència organolèptica global. Buscant anar més enllà de l'únic producte actualment utilitzat i centrat en la funció de beure vi, la copa, inicio una investigació sobre "Com afecta la forma del recipient el tast del vi" seguint el mètode científic, a través de tastos amb professionals del món del vi i consumidors de vi. Les conclusions i tendències dels resultants de l'estudi, desemboquen amb la formalització de nous productes per al tast del vi.

The objective of this project is to investigate and experiment how the shape of the container affects the perception and tasting of wine, to design containers, instruments or tools that allow us to enjoy wine at different sensory and perceptual levels, in a new global organoleptic experience. Seeking to go beyond the only product currently used and focused on the function of drinking wine, the glass, I started an investigation on "How the shape of the container affects wine tasting" following the scientific method, through tastings with wine professionals and wine consumers. The conclusions and trends resulting from the study lead to the formalization of new products for wine tasting.



Medalles ADI  
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ID del Projecte  
Project ID

571

24/04/2022

Nom del projecte  
Project name

Mae - Inhalador de asma

Plafó  
Panel

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Memòria  
Project report

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Vídeo  
Video

<https://www.youtube.com/watch?v=6XptvA1JaVk>



Mae es un inhalador presurizado que redefine la gestión del asma con una solución moderna e innovadora. Con la simple acción de inhalar, es capaz de administrar la cantidad exacta de medicación mediante el uso del sistema Venturi, donde la depresión de aire creado durante la inhalación activa la liberación de la medicación en el momento adecuado. A su vez, también utiliza una pantalla integrada, guía al usuario a través de los pasos cruciales (agitar, exhalar, inhalar, apnea), garantizando un tratamiento efectivo. Mae destaca por ser recargable, sostenible y compatible con los cartuchos actuales, marcando un avance significativo. Una fusión única de tecnología y usabilidad que transforma la experiencia para quienes padecen asma.

Mae is a pressurized inhaler that redefines asthma management with a modern and innovative solution. With the simple action of inhaling, it is capable of delivering the exact amount of medication through the use of the Venturi system, where the air depression created during inhalation triggers the release of medication at the right moment. Additionally, it features an integrated screen that guides the user through crucial steps (shake, exhale, inhale, hold breath), ensuring effective treatment. Mae stands out for being refillable, sustainable and compatible with current cartridges, marking a significant advance. A unique fusion of technology and usability that transforms the experience for those suffering from asthma.



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ID del Projecte  
Project ID

599

11/06/2022

Nom del projecte  
Project name

Sec i Soc

Plafó  
Panel

[https://adifad.org/register/uploads/2024/MEDALLES/599/1705690002\\_599.pdf](https://adifad.org/register/uploads/2024/MEDALLES/599/1705690002_599.pdf)

Memòria  
Project report

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Vídeo  
Video

<https://youtu.be/cescayyQ7k4>



Sec i Soc és un projecte educatiu que apropa la disciplina de disseny de producte a alumnes de secundària per descobrir-los una nova possibilitat al seu camí formatiu. El projecte funciona a través d'una perspectiva global que treballa de manera directa educació emocional i procés creatiu creant un vincle entre aquestes dues realitats. Tracta de manera directa competències emocionals de treball en equip com la comunicació i la cooperació a la vegada que l'autoconeixement individual. Un cop adquirides es traslladen al taller i s'utilitzen per a desenvolupar el producte: un seient. El producte final està dissenyat pel conjunt de la classe posant en pràctica la primera part de les competències emocionals i personalitzat per cada un d'ells individual per tal de representar's-hi.

Sec i Soc (I sit, I am) is an educational project that brings the discipline of product design closer to high school students to discover them another possibility in their training path. It does so from a global perspective in which it works directly on emotional education and the creative process by creating a link between these two realities. The project deals directly with teamwork emotional skills like communication or cooperation as well as individual self-knowledge. These, once acquired, are moved to the workshop and used to develop a product which in this case is a seat. The final product is designed by the whole class, putting into practice the first part of the emotional skills, and customized by each one of the students individually so they represent themselves in that product.



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ID del Projecte  
Project ID

630

01/06/2022

Nom del projecte  
Project name

DÖT Braille Learning System

Plafó  
Panel

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Memòria  
Project report

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Vídeo  
Video

<https://vimeo.com/manage/videos/785010659>



DÖT Braille Learning System promueve su aprendizaje integrando el lenguaje de las personas invidentes en nuestra sociedad. Diseñado para capturar la modularidad, equilibrio y composición del alfabeto Braille con un enfoque didáctico a través de sus formas y dinámicas de uso. El objeto se compone de 27 piezas. Con estas se pueden generar palabras al unirlos ya que poseen imanes internos. Los imanes también permiten colocar correctamente las piezas, evitando problemas de posición. DÖT brinda a la comunidad invidente una nueva perspectiva social, un nuevo enfoque de su entorno y la forma en que se comunican. Además pueden utilizar este medio para poder enseñar el alfabeto Braille a personas con potencial de perder la visión. Desde un enfoque interactivo como objeto terapéutico.

DÖT Braille Learning System promotes your learning by integrating the language of blind people into our society. Designed to capture the modularity, balance and composition of the Braille alphabet with a didactic approach through its forms and dynamics of use. The object is made up of 27 pieces. With these you can generate words by joining them since they have internal magnets. The magnets also allow the pieces to be placed correctly, avoiding position problems. DÖT gives the blind community a new social perspective, a new approach to their environment and the way they communicate. They can also use this medium to teach the Braille alphabet to people with the potential to lose their vision. From an interactive approach as a therapeutic object.



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ID del Projecte  
Project ID

639

20/06/2022

Nom del projecte  
Project name

Punt

Plafó  
Panel

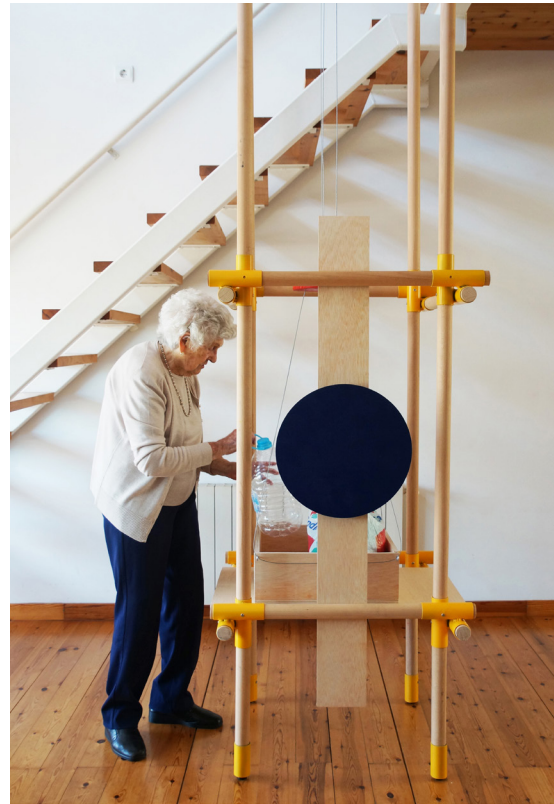
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Memòria  
Project report

[https://adifad.org/register/uploads/2024/MEDALLES/639/1705447421\\_639.pdf](https://adifad.org/register/uploads/2024/MEDALLES/639/1705447421_639.pdf)

Vídeo  
Video

[https://youtu.be/Y1qFoTYX-\\_4](https://youtu.be/Y1qFoTYX-_4)



Punt és un “elevador d’objectes” per a gent gran que viu en edificis sense ascensor. Es tracta d’un artefacte inclusiu i pràctic que allibera la tasca de pujar escales carregat amb paquets pesats. Punt contribueix a l’“envelliment actiu”: l’empoderament de la tercera edat per convertir-la en proactiva dins de la societat. La seva simplicitat estètica i funcional dona peu a convertir-lo en un joc i un punt de trobada amb la comunitat. El seu ús intuïtiu i mecànic promou un exercici diari beneficiós per a la salut. El seu sistema modular s’adapta als espais reduïts en interiors d’escales de veïns. Es munta i desmunta amb facilitat sense necessitat de grans instal·lacions i és assequible econòmicament.

Punt is an “object elevator” for elderly people who live in buildings without lifts. It is an inclusive and practical device that relieves them from having to carry heavy loads up the stairs. Punt contributes to ‘active ageing’: the empowerment of the elderly to become proactive in society. Its aesthetic and functional simplicity makes it a game and a meeting point for the community. Its intuitive and mechanical use encourages daily exercise which is beneficial to health. The modular system adapts to the small spaces in the interiors of buildings. It is easy to assemble and disassemble without the need for major installations and is economically affordable.



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ID del Projecte  
Project ID

688

10/06/2022

Nom del projecte  
Project name

Hipcare

Plafó  
Panel

[https://adifad.org/register/uploads/2024/MEDALLES/688/1705605135\\_688.pdf](https://adifad.org/register/uploads/2024/MEDALLES/688/1705605135_688.pdf)

Memòria  
Project report

[https://adifad.org/register/uploads/2024/MEDALLES/688/1705605150\\_688.pdf](https://adifad.org/register/uploads/2024/MEDALLES/688/1705605150_688.pdf)

Vídeo  
Video

<https://www.youtube.com/watch?v=RkWFyalWnYQ>



Hipcare redueix l'impacte del tractament tradicional de guix, com el nombre d'anestèsics generals en cada substitució d'aquests, la falta d'higiene i transpirabilitat, els efectes sobre la pell i la dificultat amb els bolquers. Per exemple, a diferència del que passaria amb una fosa de guix comú, el nadó podria prendre un bany. La condició higiènica es millora després mitjançant la implementació d'una estructura de gelosia a la pica, minimitzant la zona que cobreix la pell dels nadons. A més, mitjançant l'ús d'un material alternatiu mitjançant l'ús d'impressió 3D, obtenim un producte més lleuger reduint el seu gruix mentre mantenim propietats mecàniques similars. Això es tradueix en una relació més estreta entre el nadó i les seves famílies.

Hipcare reduces the impact of the traditional plaster cast treatment, such as the number of general anaesthetics in each replacement of these, the lack of hygiene and breathability, the effects on the skin and the difficulty with diapers. For example, unlike what would happen with a common plaster cast, the baby could take a bath. The hygienic condition is then improved by the implementation of a lattice structure into the spica, minimizing the area that covers the babies' skin. Also, by using an alternative material by using 3D print, we obtain a lighter product by reducing its thickness while maintenance similar mechanical properties. This results in a closer relationship between the baby and their families.



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ID del Projecte  
Project ID

693

06/07/2022

Nom del projecte  
Project name

Odapt

Plafó  
Panel

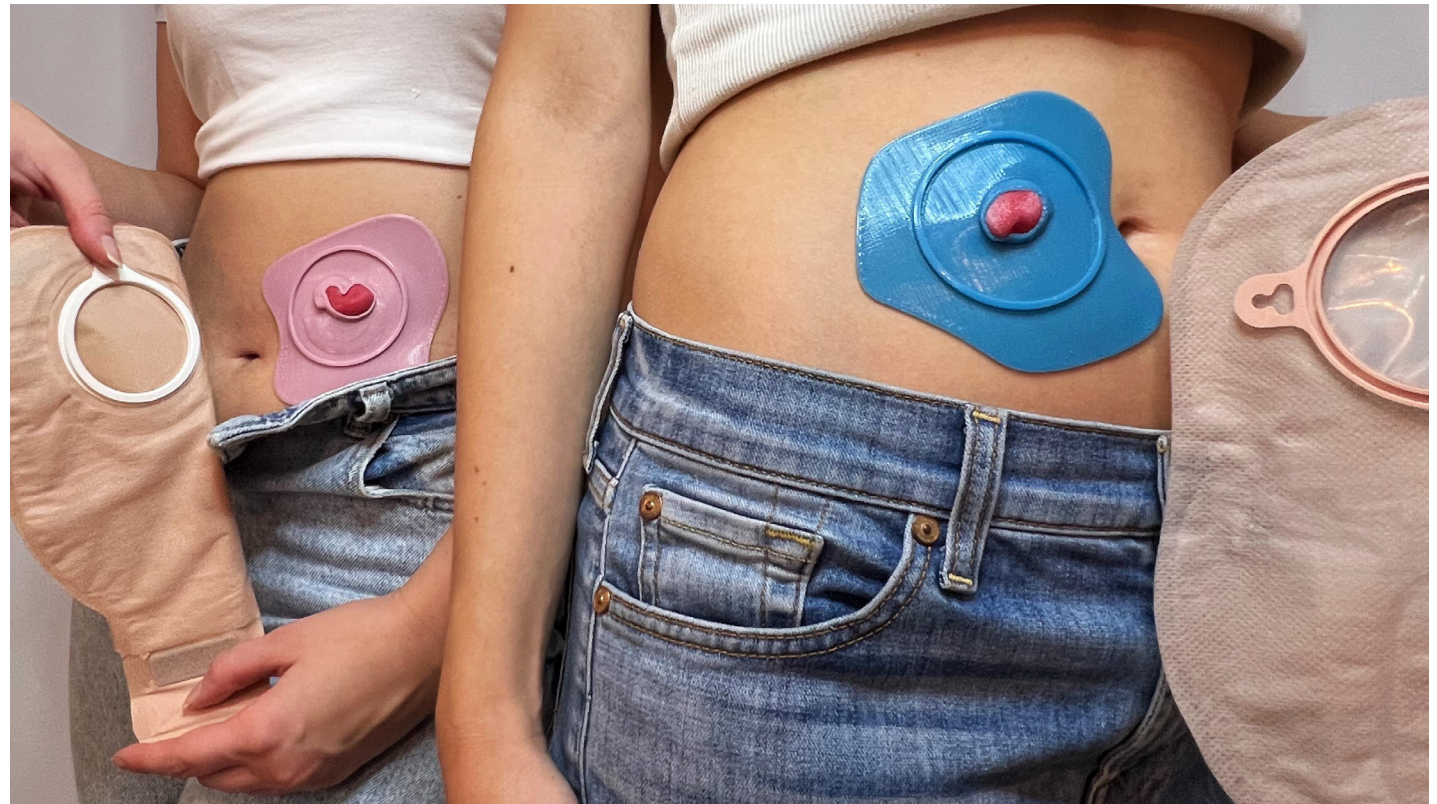
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Memòria  
Project report

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Vídeo  
Video

<https://vimeo.com/904240192?share=copy>



Más de 15 millones de personas en todo el mundo viven con una bolsa de ostomía. A pesar de los numerosos problemas asociados, el diseño de la bolsa apenas ha cambiado desde su invención. La fuga es el principal problema, afectando al 99% de los ostomizados al menos una vez, y al 50% de ellos con frecuencia, generando una carga significativa en su calidad de vida. Las fugas se deben principalmente a la falta de adaptabilidad del disco a diferentes tipos de estomas. Odapt, el primer disco impreso en 3D, aborda este problema. Gracias a la tecnología de impresión 3D, es posible adaptar el diseño a cualquier forma de estoma y bolsa en el mercado, incluso personalizando colores. Esto elimina eficazmente el problema de las fugas y mejora la experiencia de vida de los ostomizados.

More than 15 million people worldwide live with an ostomy bag. The design of the bag has merely changed since its invention despite having many problems. Leakage is the main problem associated with ostomy bags with 99% of ostomates having experienced a leak at least once and 50% experiencing them frequently. This is a huge burden on ostomates' quality of life.

Leaks are mainly due to a lack of adaptability of the wafer to different types of stomas.

Odapt is the first 3D printed wafer designed to avoid leaks. Thanks to 3D printing technology, we adapt the design to any shape of stoma and to any pouch existing in the market (and even to any colour!), consequently eliminating the problem of leaks.





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ID del Projecte  
Project ID

697

12/06/2022

Nom del projecte  
Project name

Seating System

Plafó  
Panel

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Memòria  
Project report

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Vídeo  
Video

<https://youtu.be/ZtCyy7YPiLY>



Este es mi proyecto de fin de carrera desarrollado en la Universidad Elisava en colaboración con USM, un asiento modular adaptado a su sistema. La solución incluye cuatro módulos tapizados, cuatro accesorios y una articulación. Los módulos constan de asiento, puf, respaldo y reposabrazos, lo que ofrece infinitas posibilidades de configuración. Los accesorios incluyen tres bandejas y un escritorio. Aplicándolos a estas nuevas distribuciones, se pretende cubrir las necesidades de futuros escenarios tanto en el hogar como en el trabajo. Gracias a la unión, todos los accesorios existentes de USM siguen siendo compatibles con los asientos.

This is my final degree project developed at Elisava University in collaboration with USM, a modular seating adapted to their system. The solution includes four upholstered modules, four accessories, and a joint. The modules consist of a seat, pouf, backrest, and armrests, providing endless possibilities for configuration. The accessories include three trays and a desk. Applying them to these new layouts, aims to cover the needs of future scenarios both at home and work. Thanks to the joint, all existing accessories of USM remain compatible with the seating.



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ID del Projecte  
Project ID

698

01/06/2022

Nom del projecte  
Project name

Anary

Plafó  
Panel

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Memòria  
Project report

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Vídeo  
Video

<https://www.behance.net/gallery/189336161/Anary>



El producte aborda les dificultats dels pacients de Parkinson per ingerir líquids a causa dels tremolors associats. La seva innovació radica en un sistema d'estabilització compost per anelles contraposades, sense necessitat de components electrònics, per contrarestar el tremolor. A més, destaca per un muntatge fàcil i sense adhesius químics, permetent a l'usuari reparar parts danyades. Aspectes ergonòmics, com una superfície dentada, ajuden a la compressió del producte durant la presa, alleujant la tensió muscular. L'impacte ambiental s'aborda amb la reducció de peces, volum de fabricació i materials, així com la capacitat de reparació i substitució de peces, promoció la reutilització i el reciclatge eficient.

The product addresses the difficulties of Parkinson's patients in swallowing fluids due to associated tremors. The innovation lies in a stabilisation system composed of opposing rings, without the need for electronic components, to counteract movement. In addition, it stands out for its easy assembly without chemical stickers, allowing the user to repair damaged parts. Ergonomic aspects, such as a serrated surface, help to compress the product during gripping, relieving muscle stress. Environmental impact is addressed with the reduction of parts, manufacturing volume and materials, as well as the ability to repair and replace parts, promoting reuse and efficient recycling.



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ID del Projecte  
Project ID

711

30/06/2023

Nom del projecte  
Project name

NOBJECTE, an investigation  
on the exploration of new for-

Plafó  
Panel

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Memòria  
Project report

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Vídeo  
Video

<https://youtu.be/FvcdwLQEJzk?si=SWMxzNZ1XyFwWboX>



NOBJECTE ofereix un dispositiu totalment personalitzable i adaptat a les necessitats de l'usuari. A més de proporcionar una eina a un preu baix pel fet de ser de codi obert, NOBJECTE pot convertir-se en un substitut dels gossos guia als països en desenvolupament on els gossos guia només són accessibles per a molt pocs. NOBJECTE incorpora tecnologia de la intel·ligència artificial com un reconeixement d'imatges que modela l'aprenentatge automàtic. Té la capacitat de triar en quin objecte centrar-se gràcies a l'ús de conjunts de dades fàcilment descarregables, sense necessitat d'inversions que requereixen temps. A més, ofereix a les persones cegues la possibilitat de moure's lliurement i explorar nous entorns.

NOBJECTE offers a fully customizable device tailored to the user's needs. In addition to providing a tool at a low price due to being Open Source, NOBJECTE can become a substitute for guide dogs in developing countries where guide dogs are only accessible to very few. NOBJECTE incorporates technology from artificial intelligence such as an image recognition models machine learning. It has the capability to choose which object to focus on thanks to the use of easily downloadable datasets, without the need for time-consuming investments. Furthermore, it provides blind individuals with the possibility to move freely and explore new environments.



Medalles ADI  
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ID del Projecte  
Project ID

740

01/07/2023

Nom del projecte  
Project name

Dune

Plafó  
Panel

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Memòria  
Project report

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Vídeo  
Video

<https://vimeo.com/834171775>



Dune es un calzado casual exclusivo y sostenible, comprometido con la reducción de la huella de carbono y la eficiencia en el reciclaje de materiales. Su diseño modular, con calcetín, suela y cordón separables, permite un fácil reciclaje o reemplazo, destacando su versatilidad y responsabilidad ambiental. La marca se destaca por su enfoque comprometido con la sostenibilidad, reflejado en cada etapa de producción. La capacidad de desmontaje sencillo de sus componentes resalta su preocupación por la durabilidad y la minimización del desperdicio. En conjunto, Dune ofrece no solo un estilo exclusivo en calzado casual, sino también una opción consciente del medio ambiente que busca impactar positivamente en la industria de la moda.

Dune is an exclusive and sustainable casual footwear, committed to carbon footprint reduction and material recycling efficiency. Its modular design, with separable sock, sole and lace, allows for easy recycling or replacement, highlighting its versatility and environmental responsibility. The brand stands out for its committed approach to sustainability, reflected in every stage of production. The ability to easily disassemble its components highlights its concern for durability and waste minimization. Overall, Dune offers not only a unique style in casual footwear, but also an environmentally conscious choice that seeks to positively impact the fashion industry.



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ID del Projecte  
Project ID

836

18/10/2022

Nom del projecte  
Project name

RE\_SILLA | Silla reciclada  
para uso exterior

Plafó  
Panel

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Memòria  
Project report

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Vídeo  
Video

<https://youtu.be/hfvxVPYIU80>



Enfocado en el Objetivo nº12 para el Desarrollo Sostenible de la ONU, el proyecto promueve la producción y el consumo responsables, desvinculando el crecimiento económico de la degradación ambiental. La elección del Polietileno de Alta Densidad aborda la baja tasa de reciclaje del plástico. El proyecto busca fomentar el consumo consciente a través de una silla de exteriores 100% reciclable que utiliza 47,5 galones de plástico y 120 latas de aluminio. Desmontable y empaquetada de forma eficiente, emplea materiales sostenibles y embalaje certificado FSC para reducir la huella ambiental. La silla desafía la percepción de productos reciclados al ofrecer un mayor valor agregado, representando una solución innovadora para los desafíos ambientales y contribuyendo a un futuro más sostenible.

Focused on UN Sustainable Development Goal 12, the project promotes responsible production and consumption, decoupling economic growth from environmental degradation. The choice of High-Density Polyethylene addresses the low plastic recycling rate. The project aims to encourage conscious consumption through a 100% recyclable outdoor chair that uses 47.5 gallons of plastic and 120 aluminum cans. Disassembled and efficiently packaged, it utilizes sustainable materials and FSC-certified packaging to reduce the environmental footprint. The chair challenges the perception of recycled products by offering greater added value, representing an innovative solution to environmental challenges and contributing to a more sustainable future.



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ADI Medals

ID del Projecte  
Project ID

848

07/11/2022

Nom del projecte  
Project name

Polestar Zero

Plafó  
Panel

[https://adifad.org/register/uploads/2024/MEDALLES/848/1706902937\\_848.pdf](https://adifad.org/register/uploads/2024/MEDALLES/848/1706902937_848.pdf)

Memòria  
Project report

[https://adifad.org/register/uploads/2024/MEDALLES/848/1706900428\\_848.pdf](https://adifad.org/register/uploads/2024/MEDALLES/848/1706900428_848.pdf)

Vídeo  
Video

<https://vimeo.com/767766948>



Los trabajos de limpieza son muy duros por las condiciones laborales, los horarios, el esfuerzo físico y el estigma social asociado a ello. Polestar Zero nace como una propuesta de mejora de los trabajos de mantenimiento urbano. Es ideal para servicios de recogida de RSU, limpieza y jardinería en centros históricos, plazas y zonas de difícil acceso. Está destinado a aumentar la eficiencia, lo que supone un beneficio para los trabajadores, al mismo tiempo que para la sociedad, ya que garantiza que toda la comunidad disfrute de entornos más limpios y seguros. Puede transportar un volumen de residuos de hasta 200 L y 4 herramientas diferentes. Aunque, su uso podría ser orientado también hacia otras tareas diferentes que requieran una movilidad ágil y el transporte de elementos pesados.

Cleaning jobs are very hard due to the working conditions, schedules, physical effort and the social stigma associated with it. Polestar Zero was born as a proposal to improve urban maintenance work. It is ideal for MSW collection, cleaning and gardening services in historic centers, squares and areas with difficult access. It is intended to increase efficiency, which benefits workers as well as society by ensuring that the entire community enjoys cleaner and safer environments. It can transport a waste volume of up to 200 liters and 4 different tools. Although, its use could also be oriented toward other different tasks that require agile mobility and the transportation of heavy elements.



Medalles ADI  
Medallas ADI  
ADI Medals

ID del Projecte  
Project ID

853

28/05/2023

Nom del projecte  
Project name

Plastic Nostrum, anclado en  
en medio de las

Plafó  
Panel

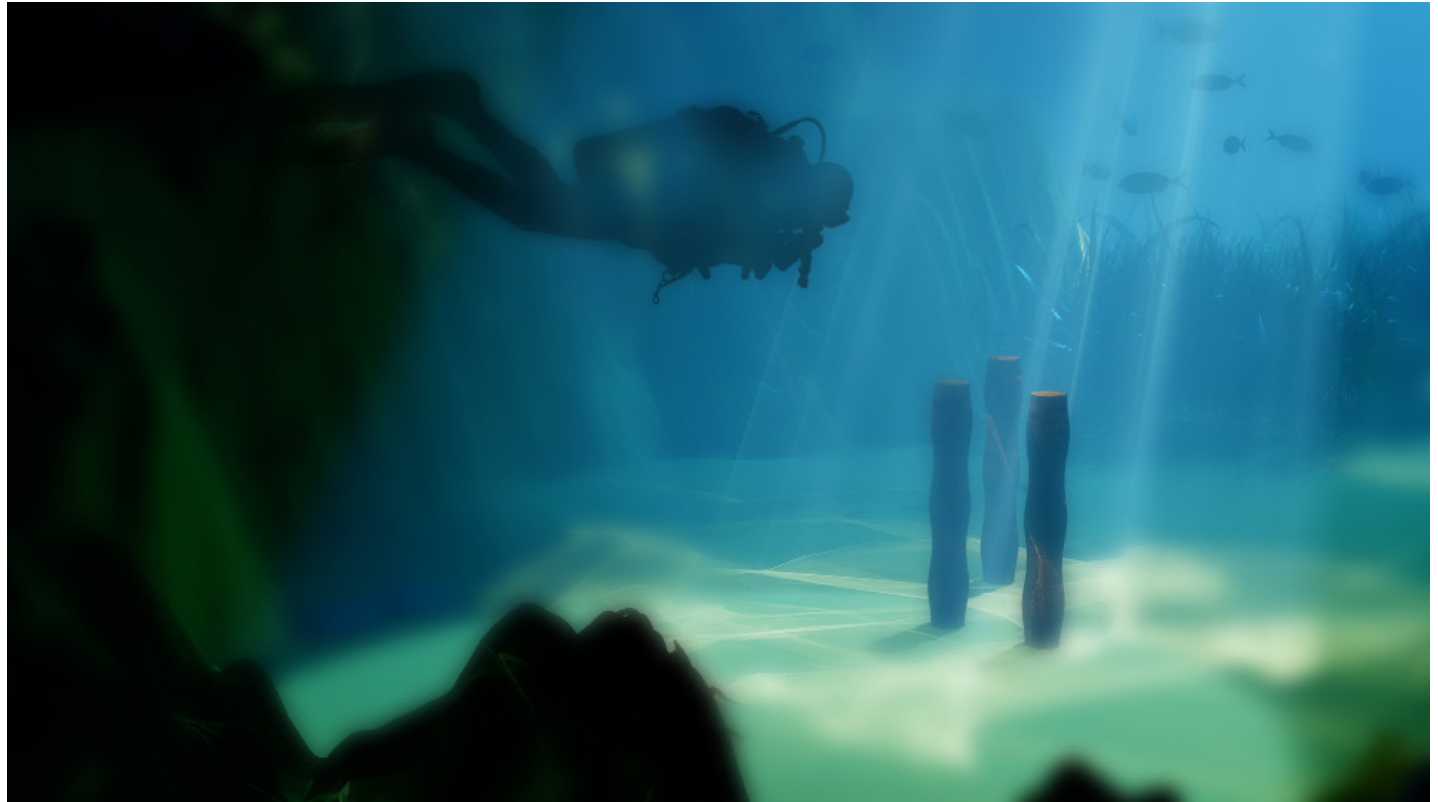
[https://adifad.org/register/uploads/2024/MEDALLES/853/1706565047\\_853.pdf](https://adifad.org/register/uploads/2024/MEDALLES/853/1706565047_853.pdf)

Memòria  
Project report

[https://adifad.org/register/uploads/2024/MEDALLES/853/1706480227\\_853.pdf](https://adifad.org/register/uploads/2024/MEDALLES/853/1706480227_853.pdf)

Vídeo  
Video

<https://drive.google.com/file/d/1YeiLcTtsXRLk524S0spK8cHbDd6rHxem/view?usp=sharing>



“Plastic Nostrum” enfrenta la crisis plástica del Mediterráneo, inspirado en ánforas romanas. Actúa filtrando y capturando microplásticos. Enfocado en la Economía Azul y el ODS 14, “Plastic Nostrum” consta de módulos apilables, “Terrakos”, impresos en 3D de terracota. Albergan bolas de Neptuno, fibras de posidonia para atrapar microplásticos. Su diseño modular sostenible permite combinar y apilar unidades. Cada “Terrako” se coloca en el lecho marino, más efectivo a 3 metros de profundidad en la costa mediterránea. La instalación puede crecer, formando un bosque submarino que preserva la vida y promueve la conciencia ambiental, especialmente entre jóvenes buceadores mediante colaboraciones con escuelas de buceo.

“Plastic Nostrum” confronts the plastic crisis in the Mediterranean, inspired by Roman amphorae. It works by filtering and capturing microplastics. Focused on the Blue Economy and SDG 14, “Plastic Nostrum” consists of stackable modules, “Terrakos”, 3D printed in terracotta. They house Neptune balls, Posidonia fibres to trap microplastics. Their sustainable modular design allows units to be combined and stacked. Each “Terrako” is placed on the seabed, most effectively at a depth of 3 metres off the Mediterranean coast. The installation can grow, forming an underwater forest that preserves life and promotes environmental awareness, especially among young divers through collaborations with diving schools.