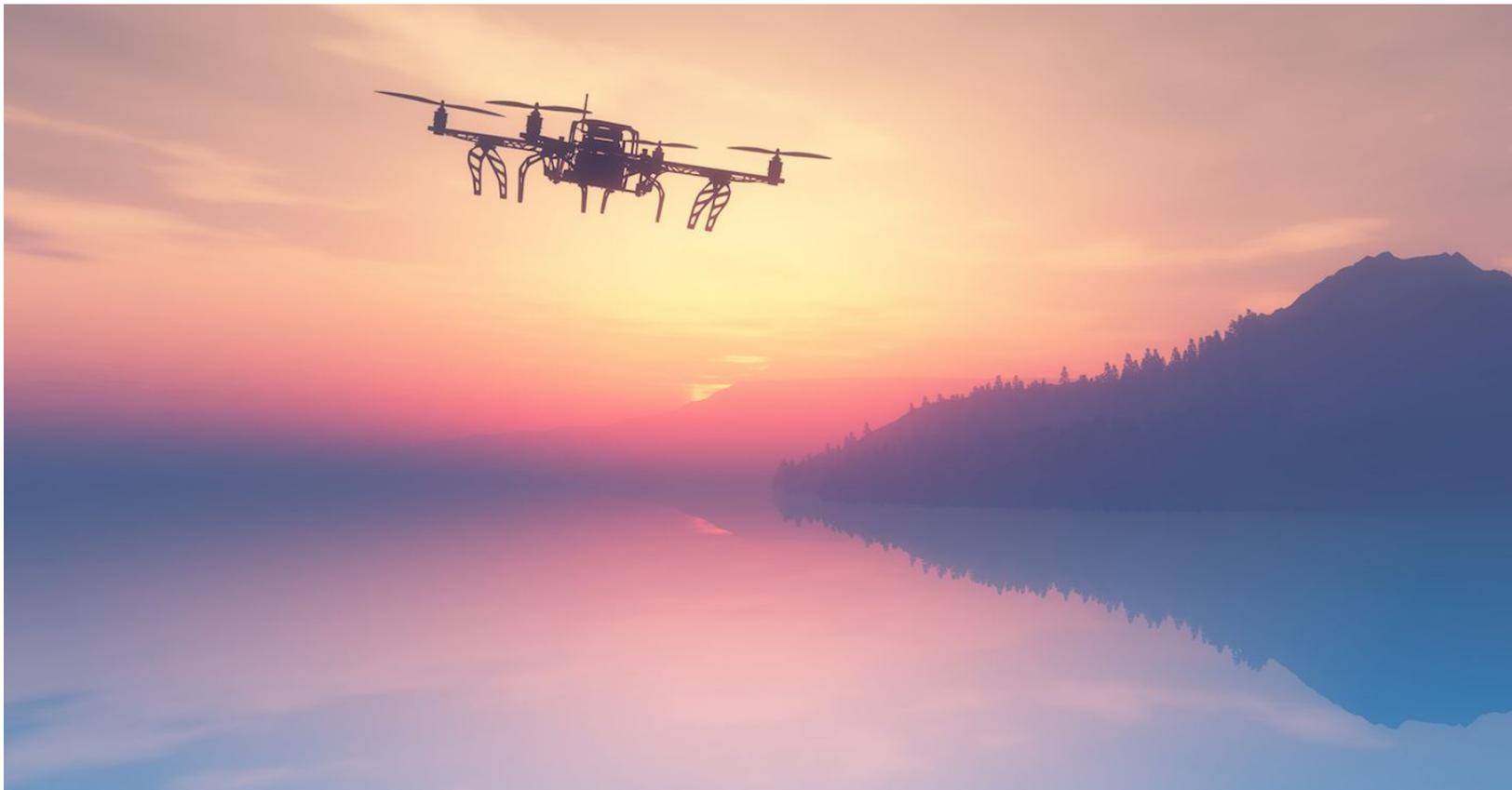




dczd.tech

FAQ





What is dczd.tech?	2
What does “HIRING” a robot mean?	3
How can this be applied today?	3
Do you provide the robots?	4
How can I install your software?	4
How much do I pay?	4
Can you create a solution for my business tailored to my needs?	5

What is dczd.tech?

Dczd.tech is a decentralized platform that allows companies to connect and manage fleets of autonomous robots in a serverless architecture.

We are on a mission to help companies hire robots!

Our platform allows to manage robotics' identities, organize secure communication in fleets, prepare and distribute commands for autonomous robots and monetize robots-as-a-service through a decentralized marketplace powered by "smart contracts"!

What does "HIRING" a robot mean?

In the past 10 years robotics has advanced significantly and soon mobile robots will be technically capable to execute missions fully autonomously. For example, drones stop being tools that people operate and instead work as an inspector on a construction site along with humans.

But technical autonomy is only one part of a fully autonomous robot. In order to bring our vision to life, we need to have a set of tools that will allow recording robots' deliverables in contracts, pay for robots' services and keep track of their operations and collected data securely.

Therefore, hiring a robot means 2 things:

- **The robot operates autonomously.** We developed fleet management software that guarantees that robot fleets will always operate safely and according to plan.
 - **The robot has economic autonomy.** Using our platform robots can accept orders, payments, and create contracts with partners (*humans or other autonomous systems*) directly. They can organize a complex supply chain of a service within a single smart contract which removes the pain for the company operating it.
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How can this be applied today?

Mobile robotics has an unimaginable number of use cases but major areas of application are:

DATA COLLECTION

REAL-TIME MONITORING

LOGISTICS

For example, aerial drones are efficient at collecting data about infrastructure, construction sites, and environment. They are also capable of monitoring large areas for security or emergency response use cases, such as wildfire detection in forestry or intruders identification for strategic infrastructure.

Furthermore, our platform is suitable for ground rovers, autonomous cars, and boats so that fleet operators can manage their fleets securely. Dczd.tech can enable autonomous taxi fleets, autonomous logistics companies, and even urban air mobility use cases!

Do you provide the robots?

We are building a software platform that allows to connect and manage different kinds of off-the-shelf and custom robots and IoT devices.

We also provide recommendations for our clients and help them choose the right equipment for their specific needs and use case. For example, we support DJI drones, Libelium sensors and Robot OS framework which already powers millions of robotic devices all over the world!

How can I install your software?

Our product is based on an open-source software framework which you can find here:

<https://github.com/DroneEmployee>

However, if you need to use mobile robotics at scale we recommend contacting us so that we can provide you full access to our platform, help you launch and integrate mobile robotics into your business in a frictionless way!

CONTACT US

How much do I pay?

We use a combination of technologies that allow our customers to have the most flexible and yet scalable infrastructure. In the table below you can find the basic types of fees that are incurred on the platform:

Type /day per unit	Price per unit	Total number of Messages	Message meter size
Blockchain Drone ID	2 \$/tx	15tx/sec	
Device-to-device p2p messaging	Free	Unlimited	Unlimited
Device-to-blockchain messaging	2 \$/tx	15tx/sec	
Blockchain-to-device messaging	2 \$/tx	15tx/sec	
Route registration and approval	5-50 \$/tx depending on complexity	15tx/sec	Unlimited

Can you create a solution for my business tailored to my needs?

Yes!

We work with our clients directly to develop custom applications of mobile robotics based on dczd.tech platform. The process consists of the following steps:

- 1) **Research.** We start with a research phase where we learn about our client's requirements.
 - 2) **Architecture.** We develop an architecture that is most suitable for specific use case. It can combine a wide range of distributed and cloud-based technologies.
 - 3) **MVP.** Our technical team crafts a basic solution that solves the need for the customer.
 - 4) **Simulation testing.** We test the solution in physically accurate simulation to prevent accidents and deliver stable software.
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- 5) **Real-world proof-of-concept.** We come to the client's facility to demonstrate the solution and validate it in the real-world scenario.
 - 6) **Scalable deployment.** Once tested and validated the solution is ready to be scaled. The software architecture allows almost unlimited scalability.
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