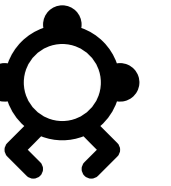


# Custom Drone Solutions

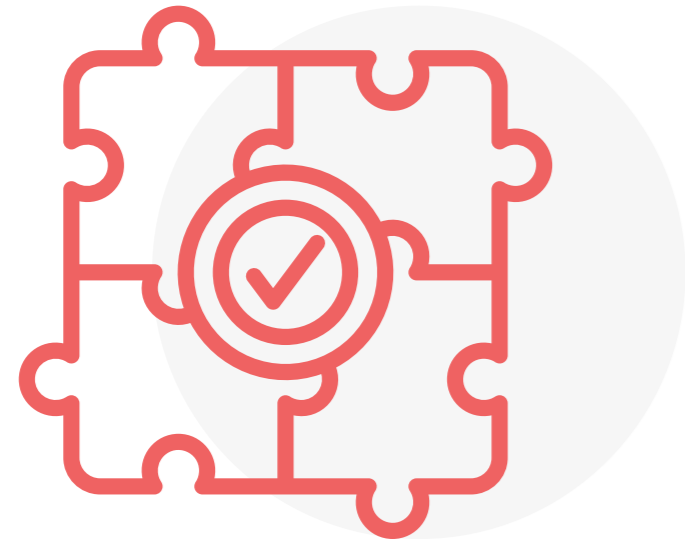
At codequest, we leverage our award-winning expertise to develop advanced autonomous drones, seamlessly integrating cutting-edge hardware with our proprietary software solutions.



codequest



# Why go custom with codequest?



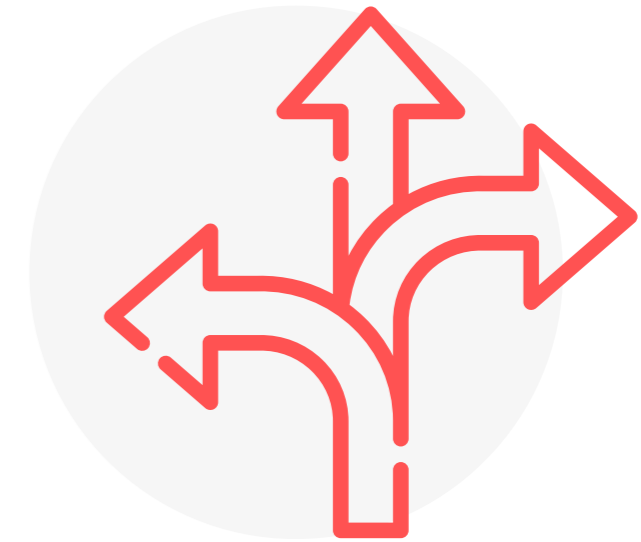
## Tailored to your specific needs

Ready-made drone solutions rarely fit perfectly. At codequest, our custom-made drones, equipped with docking stations, are designed to meet your unique requirements. Solar panel inspections? Asset maintenance checks? Surveillance? No problem. We discuss, analyze, test, build, and refine until we get it right, ensuring your custom drone needs align with your project goals.



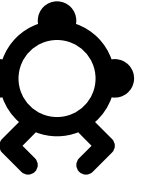
## Competitive advantage

Custom drone solutions give businesses a competitive edge. They allow for the integration of proprietary technologies and workflows that out-of-the-box solutions simply can't offer. This customization not only enhances operational efficiency but also enables businesses to address specific challenges and seize unique business growth opportunities.



## Scalability and flexibility

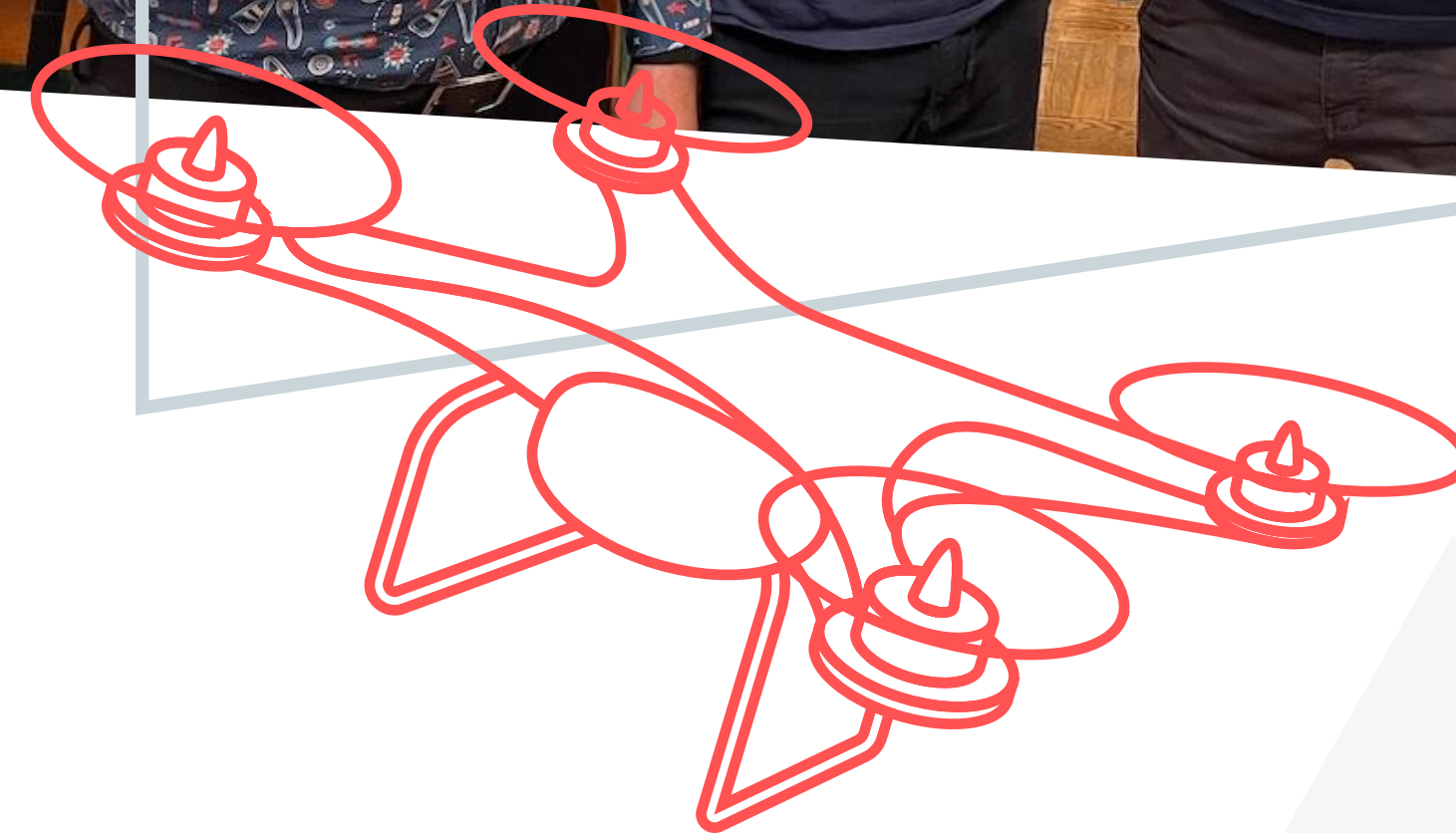
As your business grows and evolves, so should your drone solutions. Our drones can be easily modified and updated to incorporate new features or adapt to changing business processes. Also, as you scale and handle more data, you can trust that codequest will keep it safe and secure every step of the way.



# 2nd Place at NATO Hackathon

We are proud to have achieved 2nd place in an international hackathon organized by NATO. This prestigious competition required implementing performant object tracking and detection on very limited hardware, showcasing our ability to develop highly efficient and innovative solutions under strict conditions.

[Read more](#)

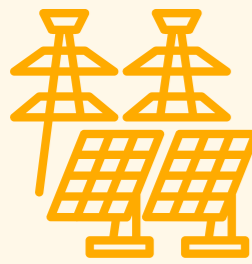


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[hello@codequest.com](mailto:hello@codequest.com)

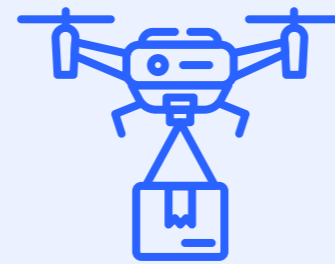


# Key applications



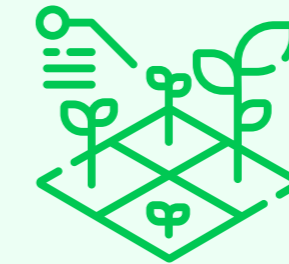
## Infrastructure and asset inspections

Enhancing maintenance efficiency with thorough inspections of solar farms, pipelines, and industrial facilities.



## Transportation and delivery

Transporting goods and offering a fast, efficient, and cost-effective delivery solution. This reduces costs and improves overall logistics.



## Agriculture

Improving crop management and monitoring with drones that analyze field conditions, detect pests, and optimize irrigation systems.



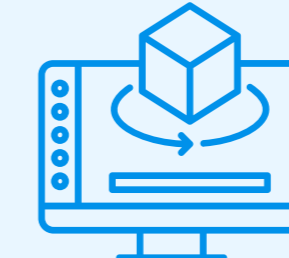
## Disaster response

Quickly assessing and responding during natural disasters, our custom drones map affected areas, spot hazards, and aid rescue operations.



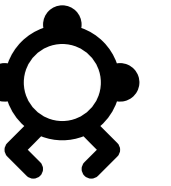
## Surveillance and security

Boosting security operations with real-time monitoring and surveillance.



## Construction

Monitor construction sites, including the building of solar farms. Create maps and 3D models, and track project progress through regular drone launches.



# Our technologies that drive value delivery



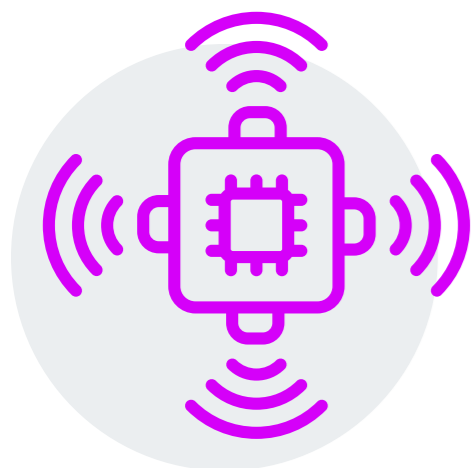
## Computer Vision

Using tools like **OpenCV**, **YOLO**, **TensorFlow**, and **PyTorch**, our drones can detect, track, and analyze objects in real-time, boosting their ability to navigate and make smart decisions on their own based on what they see. We provide flexible data processing options, including real-time processing on the drone, on a controller (tablet or ground station), near real-time processing in the cloud, and detailed post-processing of the image and video data collected by the drone.



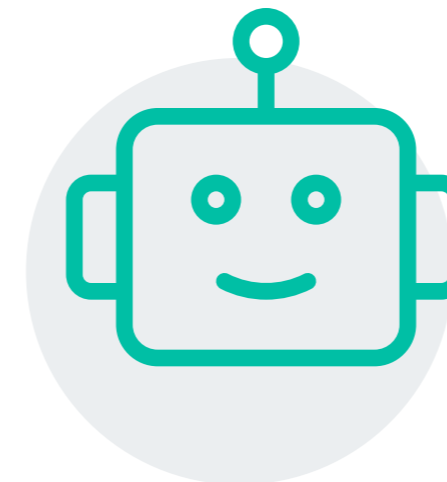
## Open-source flight controllers

We use open-source flight controller software like **iNav**, **BetaFlight**, **ArduPilot**, and **PX4**. These firmware packages offer the flexibility and customization we need for a range of drone applications, ensuring precise and efficient flight operations. Plus, we're skilled at tweaking their source code to create tailor-made solutions for aerial, ground, and aquatic projects.



## Advanced sensors

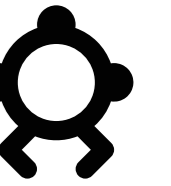
Our drones are equipped with advanced cameras (including thermovision), **GPS sensors**, **LiDAR**, and **IMUs**, allowing them to navigate and map their surroundings with precision. We also offer solutions for GPS-denied environments like warehouses or areas with limited reception.



## Robotics framework

We use cutting-edge robotics technology like **ROS2** and simulation environments, allowing us to quickly and safely test our solutions and implement the latest algorithms in navigation and control.

# Why codequest? 6 key reasons to choose codequest for your custom drone solutions.



## Proven Expertise

Our team has a strong track record in developing high-impact drone solutions. Ask us about our second-place victory at an international NATO-funded hackathon on AI and drones 🏆

## Custom Solutions

Every project is unique. We work closely with you to tailor solutions that deliver the best results. Plus, our custom approach ensures your data is safe and secure.

## Innovative & Flexible

We pride ourselves on our ability to adapt and innovate. Our flexible approach to building drones allows us to quickly respond to changes and incorporate the latest advancements to meet your evolving needs.

## End-to-End Development

You tell us what you need, and we'll take care of the rest! From designing and testing to deployment, we handle every stage of the development process, providing comprehensive support and seamless integration.

## Passionate Team

That's right, we're those guys! Our dedicated drone experts are driven by a genuine passion for technology and innovation. We even attend conferences and hackathons, and thrive on AI/drone challenges that push the limits.

## Entrepreneurial Spirit

We love turning ideas into awesome products and have done it with our own ventures. We get the entrepreneurial mindset and can help you explore new ideas, create cutting-edge solutions.

# Discover how our custom drones can unlock new business opportunities for you.

Book a free consultation [here](#).

**Tomek Korzeniowski**

*Founder & CEO*

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