

NDRF Drone Rescue System—Tech-Driven Emergency Response





Challenges in Disaster Response



Manual Delays

Coordination slows rescue efforts.



No Real-time Updates

Lack of live drone mission info.



Poor Communication

Teams struggle to connect.



No Central Dashboard

Missing live feed/alerts hub.

Our Solution: Drone Rescue Platform

Responsive Website For NDRF

React-based platform.

Real-time Tracking - Tableau Dashboard

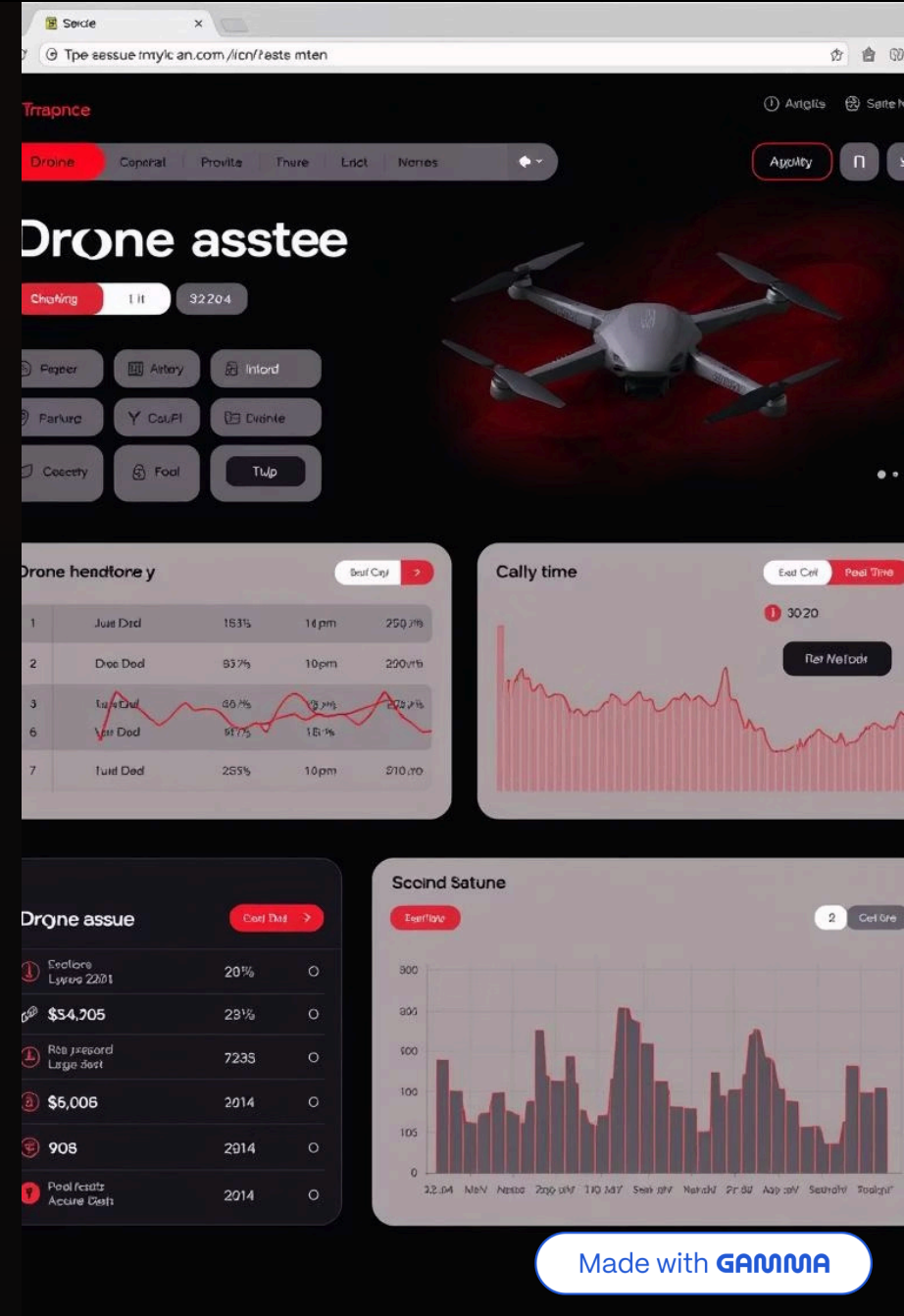
Drone & mission dashboard.

Live Feeds

Camera feeds & emergency alerts.

Data Visualization - Emergency Responses

Stats and data page.



Made with GAMMA



Project Architecture:

1

React + Vite + Tailwind

Core technologies.

2

Router-based System

Efficient page navigation.

3

Componentized Design

Modular structure.

4

Parachute Deployment-Drone

Safety Feature

Key Features at a Glance



Drone Dashboard

A centralized interface for real-time monitoring of all active drones, displaying their location, battery status, and operational parameters for efficient management during rescue missions.



Live Feed Viewer

Provides instant access to high-definition video feeds directly from the drones' cameras, enabling rescue teams to assess situations visually and make informed decisions quickly.



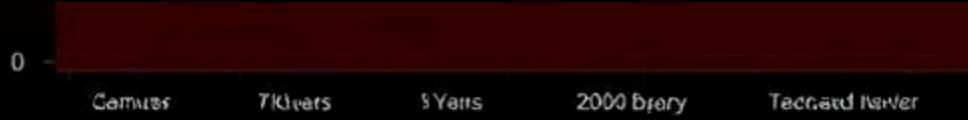
Alert System

An automated notification system that delivers critical alerts regarding emergencies, drone status changes, or detected anomalies, ensuring immediate response from rescue personnel.



Rescue Stats

Offers comprehensive data visualization and analytics on rescue operations, including mission success rates, areas covered, and resources deployed, for post-mission analysis and strategic planning.



Snijarice locations



Response times



Interactive Stats Dashboard

100+

Total Missions

Completed operations.

500+

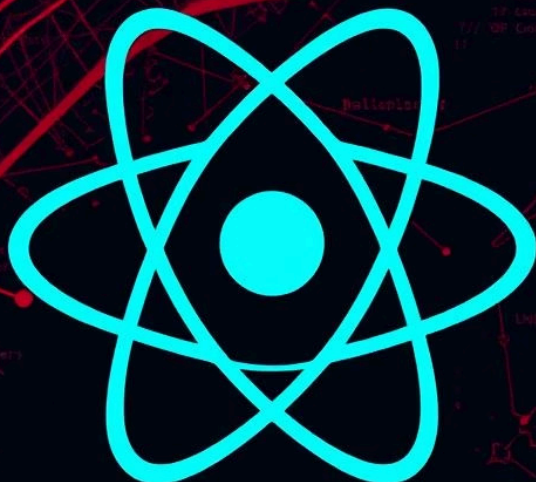
Rescues

Lives saved.

200+

Alerts

Emergency notifications.



TailwindCSS



Tech Stack

Frontend

React, Vite, TailwindCSS

State Management

React Hooks
(useState/useEffect)

Routing

React Router v6

Hosting (Optional)

GitHub Pages / Netlify

Drone

Live Demo of Rescue

Tableau Dashboard

Intregrated Response System

Demo

Experience the platform in action.

Watch Video

Short demo video.



Scan QR

Access live site.

Visit GitHub

Explore code.