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Your future drone assistant

Blue Jay Eindhoven is a student team of the Eindhoven University of Technology. We develop drones that will assist society through human interaction. We at Blue Jay are aspiring to design and make drones which are not only safe but also contribute to the safety and wellbeing of people.

The past 6 years we have been constantly improving our drone and have tackled several user cases like localizing drowning people in swimming environments or the evacuation of elderly people during fire outbreaks and we hope to tackle many more problems in the future using our drones.



To perform these various actions and still be safe, our drones have to meet certain requirements. The Blue Jay drones are interactive, helpful, autonomous, safe and are able to fly indoors.

Interactive

To be able to provide this care in a good and natural way, our drone is interactive. Not only does it display its emotions through a LED screen, but it can also react to the emotions of the person that it is interacting with. In this way a more natural experience is achieved. Because of this, the people interacting with drone will trust the drone which will then be able to more adequately help the person. In addition, people can interact with it through natural hand gestures. This makes the communication with the drone even easier.

Autonomous

A major point for Blue Jay is to make the drone autonomous such that no pilot is required. In this way the drone can assist people and act in the environment without any extensive maintenance.

Future

In the future, we see a Blue Jay drone helping in various places and supporting the people in these environments with whatever tasks they may need to perform. Like delivering medicine for instance. Until then, we as a student team of the Eindhoven University of Technology will work hard to accomplish all of this!

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