

WHO WE ARE AND WHAT WE DO

We are **JALUD Embedded**, a Czech **technological innovation company**. We specialize in creating smart solutions to save lives, protect property and minimize the consequences of dangerous events.






The development of software applications has led us to the realization of a **solution that spans multiple sectors and has a positive social impact**. It works on the principle of detecting sounds indicative of dangerous events and providing real-time alerts.



In 2023, we won the **AI Awards** in the Public Administration category. In the same year, we received an **honorable mention from the Visionary 2023 jury** for our outstanding technological, economic and social contribution.

A DETECTOR THAT SAVES LIVES AND PROTECTS PROPERTY

Our innovative Sound Event Detector (SED) solution incorporates state-of-the-art technology for **audio event detection**. The SED serves as an ideal complement and augmentation to existing security systems.

-  **Faster emergency response times.**
-  **Lower probability of injury and fatality.**
-  **Minimized property damage.**
-  **Enhanced, autonomous monitoring.**
-  **100% GDPR compliant.**



*The average response time to an incident is 7 minutes.
SED will reduce this time to less than 5 seconds.*

SOFTWARE
FOR CAMERAS

INTERNAL
AND EXTERNAL USE

CERTIFICATION
ISO 9001

THE CZECH IDEA
CZECH PRODUCTION



SOLUTIONS WITH A POSITIVE IMPACT ON SOCIETY

A LIFE SAVED THANKS TO THE SED DETECTOR



Read the QR code
and play the video
of a life saved.

"The first week after the installation of the SED sound detector in Dubí showed its enormous potential. **During one evening a serious fight took place in the street and one of the participants in the fight had his heart stopped.** Thanks to the SED alert, the CCTV operator sent a patrol of the municipal police to the scene of the fight. On the scene, the patrol provided the victim with the necessary first aid. **Without SED, the response time for the arrival of the city police would likely have been longer and the situation could have had fatal consequences.**" said Tomáš Pykal, commander of the Dubí MP.

SED ALERTS ON SPECIFIC SOUND EVENTS AND MONITORS THE SURROUNDINGS



GLASS
BREAKING



SHOOTING



PANIC SCREAM



DRONE



GRAFFITI SPRAY



AGGRESSION



GRINDER,
DRILL



NOISE