

## WHO WE ARE & WHAT WE DO

We are JALUD Embedded, a Czech technology company developing AI software for sound event detection.

Our solution helps protect lives, property and public spaces through rapid sound analysis and immediate detection of security incidents.

SED integrates seamlessly with existing security systems and uses advanced artificial intelligence to detect critical sound events in real time.



### AI Awards 2023

Winner – Public Administration  
Category

### Visionaries 2023

Special Recognition for  
Technological, Economic and Social  
Impact

### 100 Best Czech Companies 2025

Ranked among the Top 100 Czech  
Companies

## A DETECTOR THAT SAVES LIVES AND PROTECTS PROPERTY

Sound Event Detector (SED) is an AI platform for sound event detection that extends the capabilities of existing security systems.

- 👍 **Increases the likelihood of saving lives.**
- 👍 **Minimizes the impact of critical incidents.**
- 👍 **Accelerates emergency response.**
- 👍 **Reduces property damage.**
- 👍 **Designed in compliance with GDPR requirements.**



*Average emergency response time is 7 minutes.  
SED reduces response time to less than 5 seconds.*

AI  
SOFTWARE

EDGE • SERVER •  
MOBIL

CISO 9001  
ISO 27001

DEVELOPED IN THE  
CZECH REPUBLIC



## A SOLUTION WITH A POSITIVE IMPACT ON SOCIETY A LIFE SAVED THANKS TO SED



Scan the QR code  
to watch the video  
about the life saved by  
SED.

**Shortly after SED was installed in the town of Dubí, the system helped significantly accelerate the response of the municipal police by rapidly detecting an incident.** During a single evening, a serious street fight occurred and one of the participants suffered cardiac arrest. Thanks to the SED alert, the camera system operator immediately dispatched a municipal police patrol. Officers provided first aid until emergency medical services arrived. Without SED, the municipal police response would likely have taken longer, and the incident could have had fatal consequences." Tomáš Pykal Commander of the Municipal Police, Dubí

## SED DETECTS SOUND EVENTS AND MONITORS NOISE



**GLASS  
BREAKING**



**SHOOTING**



**PANIC SCREAM**



**DRONE**



**GRAFFITI SPRAY**



**AGGRESSION**



**GRINDER**



**NOISE**