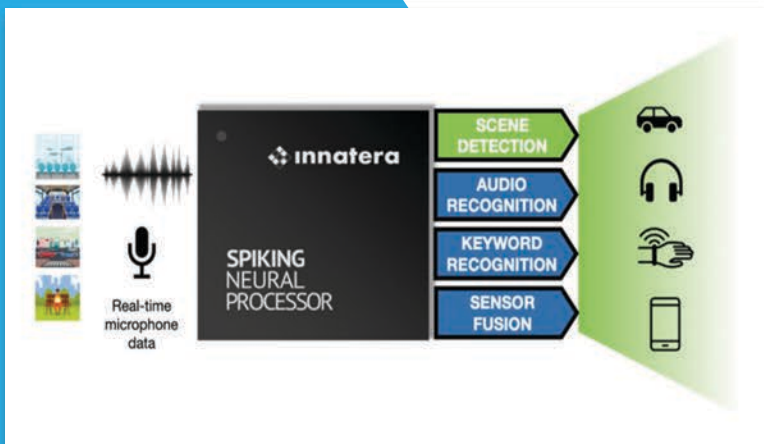


# ALWAYS-ON AUDIO SCENE CLASSIFICATION

REACH OUT TO US  
FOR MORE INFORMATION:  
INFO@INNATERA.COM

Audio scene classification allows devices to be aware of the environment they operate in and use this information to adapt their operation. e.g. in noise cancelling headphones, this might mean adapting to the ambient noise profile of an airplane or a city bus. Innatera's ultra-low power Spiking Neural Processor allows audio scenes to be classified continuously, and for changes in ambient sound profiles to be detected rapidly, even for complex and noisy environments.



Turn-key solution



Ultra low power



Noise tolerant



Tuneable confidence



Ultra low latency



Always on processing

KPI	Innatera	Conventional MCU	Improvement
Accuracy	~90%	~90%	-
Power	0.436 mW always on	4 mW always on	10x
Inference latency	301ms	1s	3x

