



Did you process this signal?

Gaining insight into threats or indeed validating that your crew are prepared for non-normal situations is a complex business.

At Vocavio we have developed novel software to analyse and grade the safety critical competencies of communication and teamwork.

Partner with us to bring a new safety analytics advantage to your operation.

Partner@vocavio.com

VOCATIO
communication dynamics



The Vocavio Approach – Pilot training module

Vocavio uses Artificial Intelligence (AI) to rate communication quality. We have conducted a series of experiments that allow us to provide consistent, non-subjective ratings of communication performance validated by human instructors.

This is done by utilising specific, objective and repeatable measure of the audio data from each training session. We extract a small number of objective measurements from the audio data (pitch, rhythm, tone) and perform a series of calculations which provide continuous communication scores.

This patented approach differs from the method currently used by Global simulator providers in that a score is provided reliably by Vocavio every 30 seconds, and the same methodology is applied to all data submitted to the system, so there is no variance due to the use of different instructors.

Once generated these scores are presented in a web application with appropriate visualisations to give insight into the communication quality over the course of the entire training session. These visualisations can be adapted for the final Performance Metrics Report.

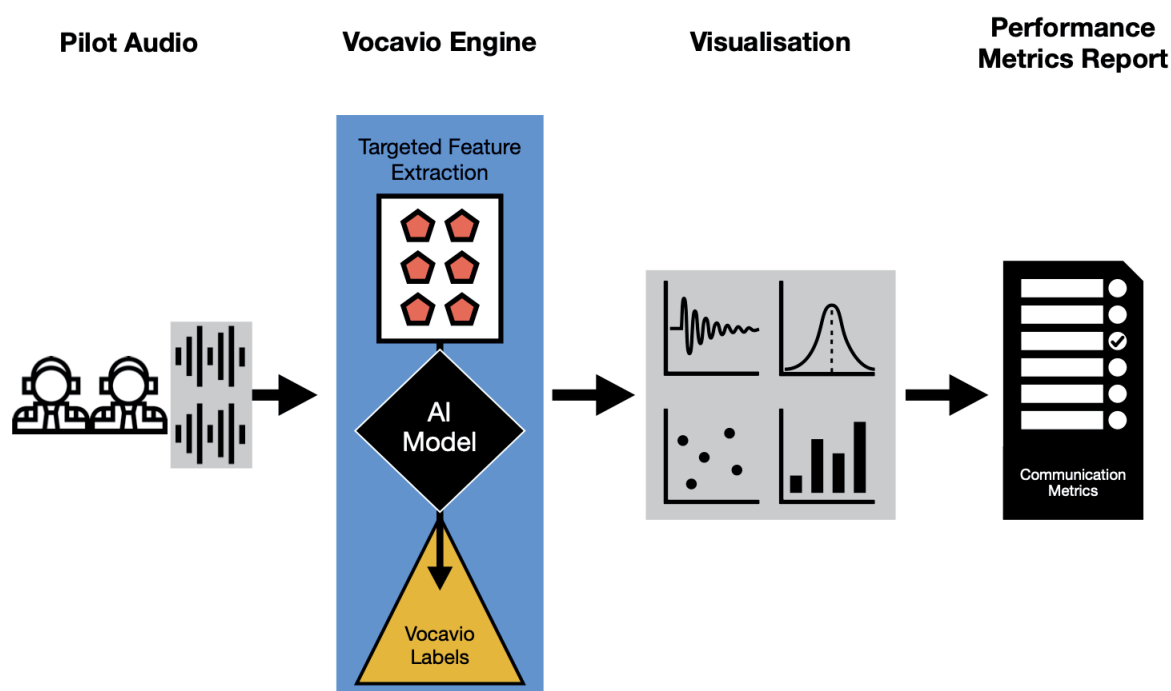


Figure 2. Vocavio AI implementation for human communication assessment.