LiveWyer Architecture & Build - Automated speech recognition pipeline

Ericsson now has a container-based solution which utilises AI to drive a fully automated speech-to-text system

Key Results

Cost reduction
A Kubernetes solution which enabled a cost-effective licensing arrangement.

Client Value
Tailored the solution to meet the customers regulatory and financial requirements.

Rapid delivery
Utilised serverless technologies to rapidly deliver a functional proof-of-concept platform.

Scalable
A Kubernetes control plane allowed the client to idle hardware costs at zero, only scaling resources when needed.

Challenges

Our client provides video subtitling services to a number of broadcasters in multiple languages, with over 100,000 hours a year of live captioning. Subtitle generation is often a manual and slow process as well as an expensive one and LiveWyer helped to reduce their running costs.

Solutions

The use of AI driven speech-to-text systems has the potential to disrupt the market for traditional subtitling services. The company engaged with LiveWyer to build a container based solution for an Automatic Speech Recognition pipeline and batch processing platform capable of automating the generation of Spanish and English subtitles.

Results

LiveWyer was able to take a core business idea and evolve it into a series of key technology assets with cost, scale and outcome benefits to the client.

0	60%	3
IDLE RUNNING COSTS	LICENSE COST REDUCTION	MONTHS TOTAL ENGAGEMENT

Conclusion

LiveWyer was able to take a core business idea and evolve it into a series of key technology assets with cost, scale and outcome benefits to the client. By aligning the right technology with the right requirement, LiveWyer were able to successfully implement and extend Serverless technologies as well as migrating workloads to compliant infrastructure. We were able to demonstrate how we can adapt our solution to meet regulatory and financial requirements.