

Case Study

AI-powered translation breaks down language barriers for global mining group



“The use of AI translation is truly beneficial and provides significant time savings when translating databases. It not only allows us to save a considerable amount of time, but also enables us to adapt software quickly into another language.” – Asset Management Specialist

24%
Increased Accuracy

20 hours
Time saved

Key challenges

- ▶ Implementation teams and clients previously spent up to **3 days per language** translating nearly 13,000 On Key database keys.
- ▶ The resources supporting implementations often turned to ad hoc tools like Google Translate, which resulted in inconsistent and inaccurate translations of UI elements.
- ▶ Clients had to **manually extract, translate, review, and import** large volumes of data — a process that was time-consuming and prone to errors.
- ▶ French-speaking personnel at Managem's sites required an accurate, fully translated system **in their native language** to ensure effective day-to-day use and operational efficiency.

Our approach

- ▶ On Key Intelligence developed and released a new feature: **Intelligent AI Translation** for On Key Plus.
- ▶ The feature extracts translation keys directly from On Key and uses **Azure AI Translate** to automatically generate accurate translations.
- ▶ The entire translation workflow — from extraction to import — is now **fully automated**, eliminating the need for manual input from clients or engineers.
- ▶ The feature was deployed for the first time at Managem, to enable full French-language support for their On Key instance.

Value add

- ▶ Reduced translation time from **3 days to just 2 hours**.
- ▶ Achieved a **24% increase in translation accuracy** compared to the previous tools like Google Translate or previous system translations.
- ▶ Significant **savings in time** and manpower, freeing resources to focus on operational priorities.
- ▶ Now available as a **production-ready feature** in On Key Plus for any client, with a monthly subscription option.
- ▶ Enables scalable, **multi-language deployments** with minimal effort.

Client background

Managem is a diversified Moroccan mining group with operations in eight African countries. Specialising in the exploration and development of gold, silver, cobalt, copper, and zinc, Managem plays a critical role in regional resource development and is committed to sustainable and innovative mining practices.

With over 5,000 employees, many of whom are French-speaking, Managem relies on On Key to manage its technical assets and ensure reliable plant operations. Having the On Key system available in French is essential for efficient, safe, and compliant execution of day-to-day maintenance activities.

