



Cellebrite is a global leader in digital intelligence solutions, enabling law enforcement to extract, analyze and manage data from devices.

Industry: Government

Established: 1999

Customer base: 90% of relevant public safety agencies worldwide

Solution elements:

Language Weaver®, embedded into Pathfinder and Physical Analyzer tools as the Smart Translator module

Cellebrite helps customers accelerate investigations with Language Weaver machine translation

Cellebrite's customers in public safety regularly need to analyze foreign-language content extracted from digital devices – but human translation is time-consuming. By integrating Language Weaver into their solutions, Cellebrite eliminated the translation bottleneck for investigators.

Cellebrite is a global leader in digital investigative solutions that help law enforcement, intelligence agencies, government organizations and enterprises to access, decode, analyze and manage digital evidence. Around the world, more than 7,000 federal, state, local and enterprise customers rely on Cellebrite's Digital Investigation Platform to protect the public.

Two of its solutions are Pathfinder and Physical Analyzer:

- **Pathfinder** helps investigators analyze large volumes of data from multiple devices, revealing key evidence and visualizing connections between suspects, victims, witnesses, locations and events.
- **Physical Analyzer** transforms binary data extracted from devices into human-readable formats for forensic examiners.

These solutions make it possible for investigation teams to act on critical intelligence and progress cases faster.



The challenge: a race against the clock

Cellebrite's customers operate in a world where crime knows no borders. With human trafficking, drug trafficking and cross-national organized crime on the rise, investigators and forensic examiners frequently encounter emails, messages, documents and more in unfamiliar languages. They need to decipher them fast – but professional human translation is time-consuming.

“Translation becomes a bottleneck,” explains Jack Ziv, VP of Product Management at Cellebrite. “It’s not just the translation itself that takes time – first you need to find a translator with the right language skills, expertise and security clearance.”

Waiting for translations can have serious repercussions. Time is of the essence in any criminal investigation, and this urgency is felt particularly keenly at national borders. As soon as border agents detain an individual, the clock starts ticking. The agency can only hold them for a limited time, so information must be extracted from the individual's devices and analyzed as quickly as possible. If some – or all – of the content has to be sent for translation before it can even begin to be examined, it creates delays that investigators can't afford. To make matters worse, recruiting a language specialist at short notice is costly.

Challenges

- Analyze multilingual content extracted from devices
- Translate content fast
- Speed up criminal investigations
- Reduce cost





The solution: instant translation embedded in investigative tools

Recognizing its customers' critical need for fast, accurate translations, Cellebrite integrated Language Weaver, RWS's machine translation technology, into Pathfinder and Physical Analyzer, creating the Smart Translator module. Now, users can translate content at the click of a button, entirely eliminating any delay.

"If any text needs deeper consideration, it can be sent on to a human for review – but in my experience, this happens very rarely now," says Jack.

The integration is seamless, allowing forensic examiners and investigators to decode data, translate it into their native language, and advance their investigation, all from a single, secure platform.

Why Language Weaver?

"Even from the early days of neural machine translation, Language Weaver always stood out for two things: its accuracy and the variety of languages it offers," explains Jack. "We're a truly global company, with customers all over the world, so we really need that broad language support."

Equally important, Language Weaver offers flexible deployment. This allows Cellebrite to meet each customer's needs by offering on-premises as well as cloud and hybrid options.

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Jack Ziv
VP, Product Business
Management,
Cellebrite

The results: fast translation saves lives

The Smart Translator module has had a profound impact on Cellebrite's customers. Agencies can process in seconds, minutes and hours what previously would have taken days, weeks or months.

During the development of the integration, Cellebrite worked with an Australian police force to trial the new Smart Translator module. The police force benchmarked the new solution against a previous counterterrorism case where 12 million words had been sent for human translation, taking six months and hundreds of thousands of dollars. With the Smart Translator, they processed all 12 million words in a single day – an unparalleled leap in investigation efficiency and cost savings.

On the other side of the world, in Northern Europe, the technology has become integral to a border agency's ability to perform its mission. One of its agents stated that the old system had occasionally led to him releasing detainees before he was satisfied that it was safe to do so, simply because the evidence couldn't be translated in time. Now, with Smart Translator, they can decipher and act on multilingual evidence promptly.

Key benefits for Cellebrite's customers:

- Translation time for 12m words reduced from 6 months to 1 day
- Greater border protection
- Reduced cost
- New languages trained on request





Translation as a selling point

The translation capabilities have also become a compelling selling point for Cellebrite products. “You can see it in their faces,” Jack notes, describing customers’ reactions when presented with the possibilities. It’s clear that the ability to break through language barriers in mere moments is reshaping investigations globally.

A strong partnership

Cellebrite’s partnership with RWS has been a standout factor. “We’ve always had a very easy relationship with all our contacts at RWS,” Jack says. He credits RWS with being flexible in accommodating Cellebrite’s unique requirements – from license customizations to rapidly training entire new languages for specific customer needs. RWS is also proactive in sharing its latest advancements with Cellebrite, often before they’re publicly released.

The future

Cellebrite is always looking for new ways to help its customers protect the public. The company is currently expanding its cloud and SaaS infrastructure in order to deliver high-performance capabilities that exceed the constraints of desktop-based platforms, and to relieve the IT burden on smaller organizations with limited resources. With its cloud, on-premises and hybrid deployment options, Language Weaver will slot easily into this evolution.

Advancements like these are how Cellebrite continues to help customers pursue justice at unprecedented speed. As Jack puts it, “We’re the heroes behind the heroes – we make the technology for the people who keep us safe.”





Language Weaver offers real-time translation – of text, images and audio – tailored to your specific content or industry, in a secure-by-design environment.

Want to learn more?

rws.com/language-weaver

About us

RWS is a content solutions company, powered by technology and human expertise. We grow the value of ideas, data and content by making sure organizations are understood. Everywhere.

Our proprietary technology, 45+ AI patents and human experts help organizations bring ideas to market faster, build deeper relationships across borders and cultures, and enter new markets with confidence – growing their business and connecting them to a world of opportunities.

It's why over 80 of the world's top 100 brands trust RWS to drive innovation, inform decisions and shape brand experiences.

With 60+ global locations, across five continents, our teams work with businesses across almost all industries. Innovating since 1958, RWS is headquartered in the UK and publicly listed on AIM, the London Stock Exchange regulated market (RWS.L).

More information: rws.com

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Hello,
world.