# CENGN

## BLUEBEAR

## COMPANY OVERVIEW

Providing sophisticated software solutions, Bluebear helps law enforcement and intelligence communities efficiently and effectively do their jobs. Bluebear's main product, LACE (Law Enforcement Against Child Exploitation), automates large image/video file processing and is currently used by over 50 international police organizations including the RCMP, Interpol, and the Netherlands National Force.

**LOCATION:** GATINEAU, QC

## TECHNOLOGY

### Data Centre and Cloud

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## FINDING DIGITAL EVIDENCE MANUALLY

Collecting evidence is a tedious and time-consuming process. This is especially true when looking through digital images and video files. Once confiscated, investigators may look through hundreds of hours of video footage and photographs trying to find incriminating evidence. Under pressure from the public and often exhausted while looking through these digital files, investigators could miss the crucial details needed to form a strong case in court. Is it possible for investigators to automate this process? According to Bluebear, there's a solution.

## LACE – ANALYZING THROUGH AUTOMATION

Designed to automate the process of looking through seized or confiscated files, LACE helps investigators collect, analyze, and report digital evidence. This allows investigators to reduce their time manually looking through and organizing files. Often used in child exploitation cases, LACE automates a variety of tasks such as performing image/video matching, face extractions/matching, and advanced file categorizations using a single central database. LACE is also installed on premise, disconnected from the outside world, to keep files safe and secure.

## IDENTIFYING BOTTLENECKS

Using CENGN's testing environment, Bluebear found areas of improvement for their product. The CENGN team also troubleshooted Bluebear's system temperature monitoring to debug drive speeds for further developments. Through this CENGN project, Bluebear researched their LACE's behaviour in a large-scale environment, identifying bottlenecks and next steps for improvement.

> "CENGN's testbed and expertise allowed us to identify bottlenecks in our system and laid out the next steps on how to improve them."
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> **Antoine Normand**
> CEO, Bluebear