

griaule
big data biometrics

About us and
business
cases

OVER 4000 CUSTOMERS



IN OVER 70 COUNTRIES

griaule
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Brazil
Campinas, SP

USA
Morgantown, WV

Big data biometrics for large scale recognition, deduplication and authentication systems.

Griaule Biometrics is a company on the cutting edge of fingerprint, face, iris and voice recognition technologies! It employs a large and experienced biometrics R&D team, and it is poised for even greater expansion. Griaule keeps its technology up to date through our partnership with UNICAMP, one of the biggest and most important universities in the Americas.

Griaule is an award-winning company with over 20 FBI quality certifications, strategic partnerships and products backed by sound and innovative technologies, making it the market leader in big data biometrics for IT system integrators.

2002

Company
foundation

2003

AFIS qualified
at NIST FpVTE
competition

2006

Awarded the
most precise
algorithm worl-
dwide

2010

NIST MINEX
certified

2015

Over 20
FBI quality
certifications

2017

NIST MINEX III
certified



- **Import, feature extraction and deduplication of 240 million fingerprint images in 59 days.**
- **100% uptime using 2 Exalogic Full (2880 cores) and 2 Oracle Exadata.**
- **The largest fingerprint identification system in the world, deduplicated database of 160 million people.**

TSE is the Superior Electoral Court in Brazil, the nationwide entity responsible for the management and legislation of electoral rights of Brazilian citizens. Prior to the implementation of Griaule's solution, TSE had 24 million voters registries.

The biometric project was initially divided into two steps. The first step deduplicated the database, comparing each registered voter against all the others, thus guaranteeing the uniqueness of each registry. The second step involves helping the Court enroll 136 million new registrants, bringing the total to 160 million registered voters.





**POLÍCIA CIVIL
DO DISTRITO FEDERAL**



- **Database with 5 million people, including ten prints, face image, signature and biographical data.**
- **Boot up time of less than 1 minute.**
- **More than 6.000 criminal cases solved each year with latent searches.**
- **More than 30.000 identification documents issued every month.**

The Civil Police of the Federal District, is responsible for the the investigation of criminal offenses in the Federal District, Brazil. It is also responsible for the issuance of identity cards valid throughout the whole national territory.

Griaule system is used for civil and criminal registration of fingerprints, tenprint, palmprints, latent prints, and face, with deduplication of the biometric database and quality assurance for every record, compliant with international standards. The system performs biometric searches against all civil and criminal records, supporting government measures for fraud prevention on identity cards issuance and resolution of crimes with latent fingerprints and palmprints.



GBS Forensic Edition



- **80 million clients.**
- **Up to 48 thousand concurrent requests.**
- **100% up time**

With over 80 million clients, and more opening accounts every day, Caixa Econômica Federal is the second largest bank in Brazil. In its oversight of important social benefits payments, including retirement pensions, unemployment benefits, and low-income aid programs, Caixa Econômica Federal protects privacy and security with some of the most innovative technology on the market.

With Griaule's help, the bank now utilizes biometric authentication to prevent identity fraud in benefits payments and improve the bank's overall operational speed.





- **Biometric enrollment of ten prints, mug shots, tattoos, scars and birthmarks.**
- **72 criminal booking facilities**

The Juvenile Social-Education Foundation of the Justice and Citizenship Secretary of São Paulo is in charge of juvenile offenders.

Fundação CASA has 142 facilities spread over the state of São Paulo, and its headquartered in the state capital. The biometric enrollment of juveniles facilitates the retention of their history within the institution and helps protect against identity fraud.





- **14 million client accounts**
- **Enrollment in less than 60 seconds, including deduplication.**
- **Up to 30 thousand concurrent requests.**
- **Global contract for Brazil, Spain, Mexico and England**

We are proud to be partnered with one of the biggest banks on the planet to improve the quality and security of its services.

The bank requires biometric authentication of their clients to improve the speed and security of their financial service offerings. The system is also used by bank managers for the enrollment of clients, in authentication operations at ATMs and bank teller stations, and to ensure that the database has no duplicate entries.



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PEOPLE IN PASSION
FOR CHALLENGE



Rodrigo



Bergo



Elisa



Felix



Nicolas



Pagotto



Danielle



Julia



Danilo





Iron



Yugo



Eliseu



Thiago



Rachel



Fernando



Giolo



Wetzel

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