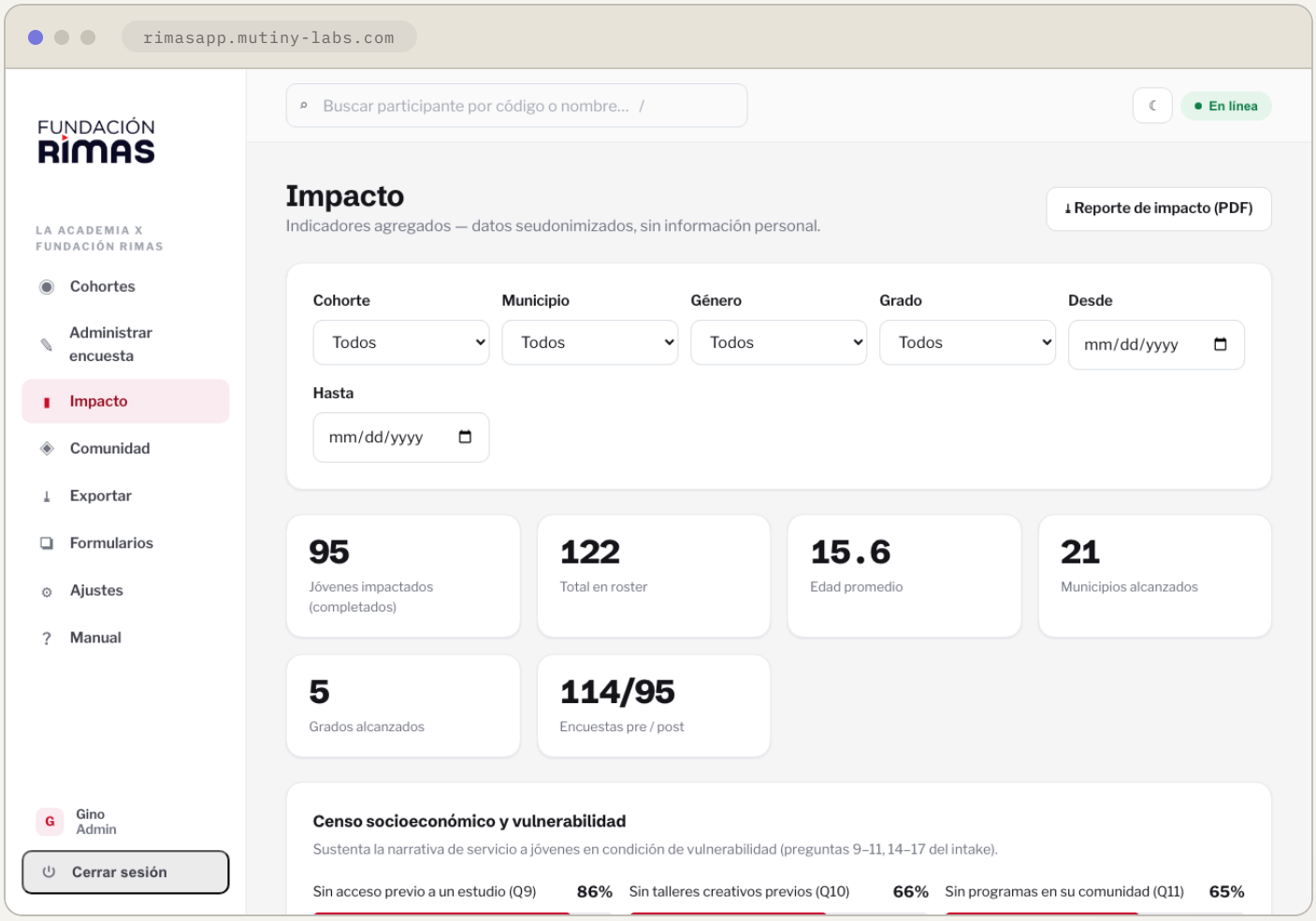
FUNDACION RIMAS · LA ACADEMIA

Plataforma de Participacion e Impacto

The operating system for a youth academy that teaches inside correctional facilities: 122 young people, 21 municipalities, every consent and survey accounted for.



122
YOUTH ENROLLED ON THE PLATFORM

21
MUNICIPALITIES REACHED

114
PRE AND POST SURVEYS CAPTURED

PRODUCTS | IMPACT MEASUREMENT | OFFLINE-FIRST

// 01

The context

Fundacion Rimas runs La Academia, a music, arts and sports program for Puerto Rico's most vulnerable youth, across cohorts that include Boys & Girls Clubs, public schools and centers inside the juvenile justice system. It is the only organization in Puerto Rico doing this work inside correctional facilities, and its funding depends on demonstrating impact rigorously.

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The challenge

No off-the-shelf system is designed for this: enrollment with signed consents for minors, pre and post surveys that feed a Theory of Change, cohorts running simultaneously across sites where connectivity ranges from good to none, and privacy obligations that demand personal data stay separate from the numbers funders see. The spreadsheets it replaced could not carry that weight.

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How we worked

We built the platform around the field, not the office: an offline-first application where an intake or survey captured in a dead zone syncs when the signal returns. Personal information lives apart from pseudonymized analytics by architecture, not policy. Nine access roles keep facilitators, coordinators and leadership inside exactly their lane, and daily automated backups with a documented restore path treat the program's data like the asset it is.

CLIENT

Fundacion Rimas · La Academia

SECTOR

Youth development / education

YEAR

2026

BUILT WITH

React 18 and TypeScript, Postgres with row-level security, serverless edge functions, offline outbox with background sync, installable progressive web app

> *The operating system for a youth academy that teaches inside correctional facilities: 122 young people, 21 municipalities, every consent and survey accounted for.*

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What we built

01 Enrollment with consents

Public registration for each cohort, staff validation, and signed authorizations captured on day one, built for minors and their guardians.

02 Pre/post impact surveys

Schema-driven surveys aligned to the program's Theory of Change, comparable across cohorts and years.

03 Cohorts across every context

Boys & Girls Clubs, public schools, municipalities and correctional centers, each with rosters, attendance and capacity in one view.

04 Impact, pseudonymized

Aggregate dashboards and PDF impact reports where funders see the numbers and never the names.

05 Offline-first by architecture

Field staff keep working without signal; the outbox syncs when connectivity returns. An intake is never lost to a dead zone.

06 Nine roles, daily backups

Row-level security for every user type, daily disaster-recovery backups and a written restore runbook.

UNDER THE HOOD — React 18 and TypeScript, Postgres with row-level security, serverless edge functions, offline outbox with background sync, installable progressive web app

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From enrollment to measured impact

01 **Public enrollment**
A guided registration any family can complete in about ten minutes, from any device, feeding a staff validation queue instead of a paper stack.

02 **Validate and consent**
Staff confirm each participant and capture day-one authorizations. For minors, the encargado or legal representative signs image, participation and data consents, drafted for legal review.

03 **Organize into cohorts**
Participants group into cohorts across Boys and Girls Clubs, public schools, municipalities and centers inside the juvenile justice system, with rosters and capacity live.

04 **Track attendance in the field**
Session-by-session attendance is captured on any device and works offline, syncing through a background outbox when connectivity returns.

05 **Measure with paired surveys**
Pre and post instruments run against the same participants, so change is measured, not asserted, across the life of a cohort.

06 **Report without exposing anyone**
Impact is aggregated from pseudonymized records, separated from personal data by design, and exported as a funder-ready report.

UNDER THE HOOD — React 18 and TypeScript, Postgres with row-level security, serverless edge functions, offline outbox with background sync, installable progressive web app

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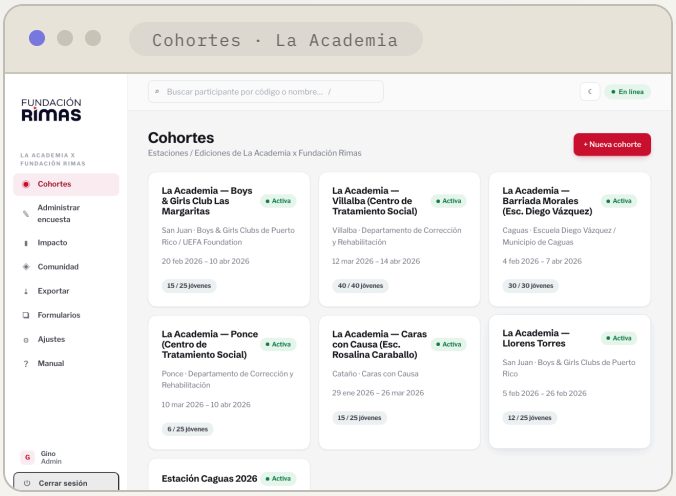
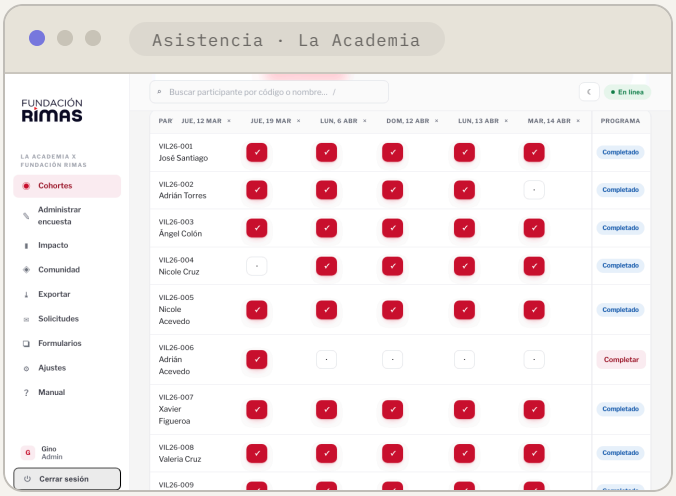
Inside the platform

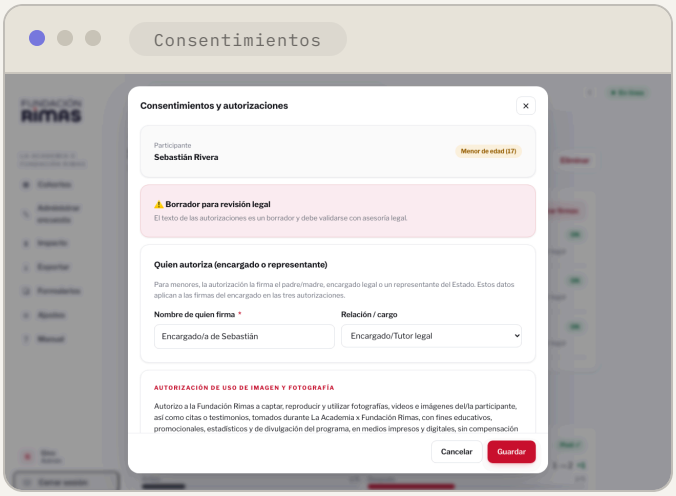


Cohorts across clubs, schools, municipalities and correctional centers, with rosters and capacity live.

Public enrollment: a guided registration any family can complete in ten minutes, feeding staff validation and day-one consents.



Attendance captured session by session, on any device, online or offline. Synthetic sample data shown.



Consent and authorizations tracked per participant, with minor-of-age handling and signer of record. Synthetic sample data shown.

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Impact you can put in front of a funder

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YOUTH ENROLLED ON THE PLATFORM

21
MUNICIPALITIES REACHED

114
PRE AND POST SURVEYS CAPTURED

86%
HAD NO PRIOR ACCESS TO A STUDY

5
COHORT TYPES, CLUBS TO CORRECTIONAL CENTERS

100%
PSEUDONYMIZED, NO PERSONAL DATA IN ANALYTICS

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What this demonstrates

- Impact measurement platforms funders can trust
- Privacy by architecture: PII separated from analytics
- Software that works where the program works, including offline

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> *Measuring impact is hard everywhere. It is hardest for the young people the system reaches last, which is exactly where this platform does its work.*

ABOUT MUTINY LABS

Mutiny Labs is an innovation and strategy studio in Puerto Rico. We build digital infrastructure for organizations that move the island forward, designed with the people who use it and built to be run by the teams that own it.

Products & Platforms
Web applications, portals and operations software shaped around real workflows.

Applied AI
Generative and analytical AI placed deliberately, private by construction.

3D & Immersive
Virtual museums, gaussian-splat capture and experiences that carry culture.

Data & Measurement
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