

**Clean
Ammonium
Nitrate**



We are a consolidated
**Player in
Blasting Solutions**



Main ammonium nitrate
producer in Latin America &
facilities in 10 different
countries



**Leadership in
automation & robotics**
in the blasting industry.



**~2 billion in sales,
worldclass risk ratings**
with low debt levels



7000 + employees worldwide
over 50% of them working at
mine sites, with leading safety
records.

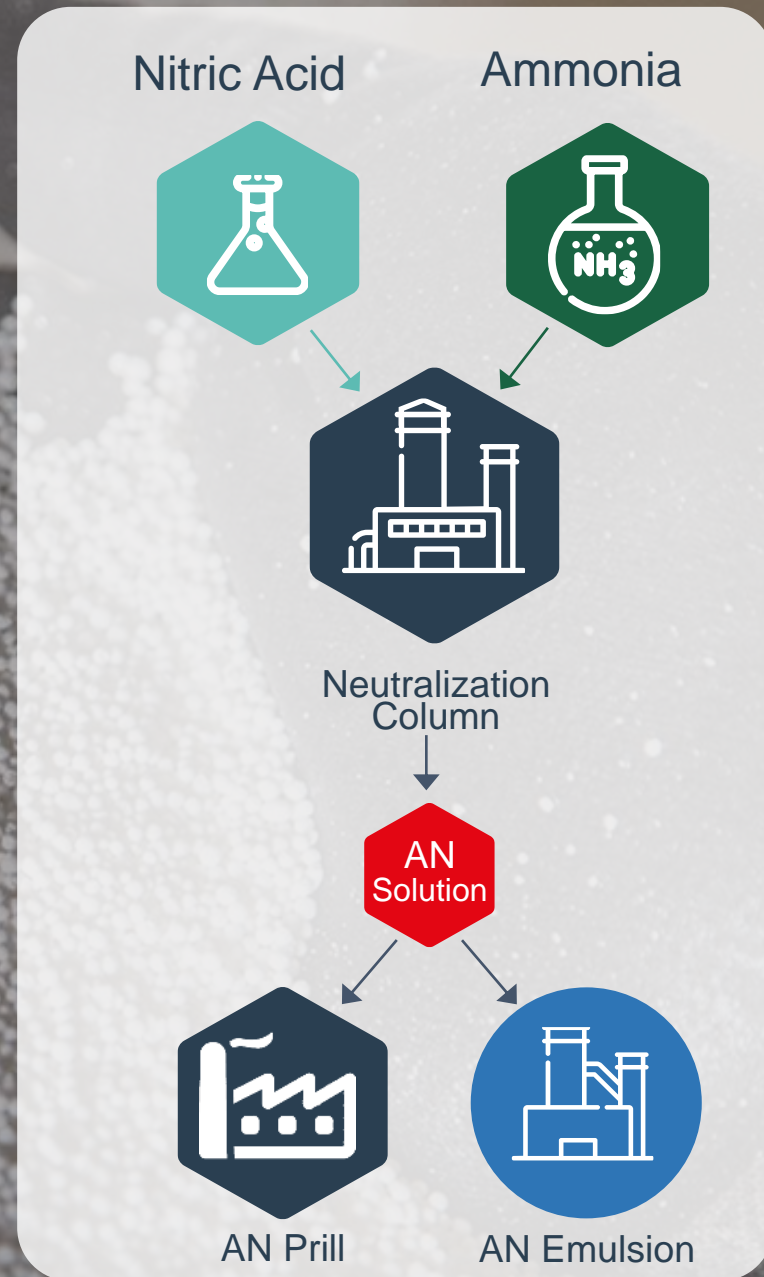
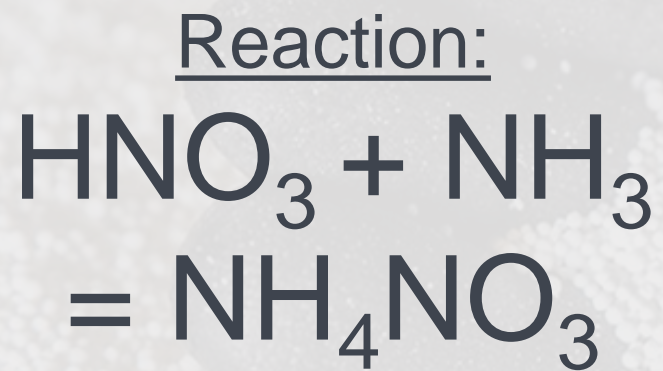


GUIDED BY A SINGLE,
CONSTANT PURPOSE

HUMANIZE MINING









PERÚ
CACHIMAYO





18 MW Electrolyzer



Ammonia



Cachimayo Plant



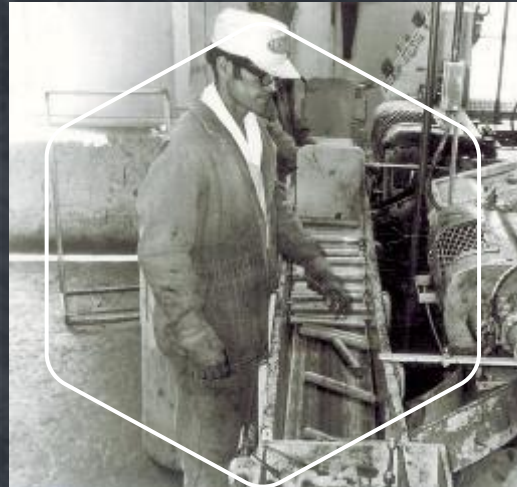


➤ HISTORY OF CACHIMAYO



1962

The construction of Industrias Cachimayo began with the German Consortium UHDE FERROSTAL HOCHTIEF and the Corporation for the Reconstruction and Development of Cusco (CRIF).



1965

Industrias Cachimayo was inaugurated as the Cachimayo Nitrogen Fertilizer Factory in the presence of President Fernando Belaunde Terry.



1983

Industrias Cachimayo diversifies its production for mining, producing Technical grade Ammonium Nitrate and ANFO grade ammonium nitrate.



1996

YURA S.A. of the GLORIA Group acquired Industrias Cachimayo, and its operations continue as normal.

CHANGES PRODUCTION PROCESS

- Renewable Energy
- Abatement system in Nitric acid plant
- Certification Process



Before:

Grid

After

**IREC
(Renewable
Energy)**

~30% CO₂ Footprint

**Abatement System
(N₂O)**

~60% CO₂ Footprint

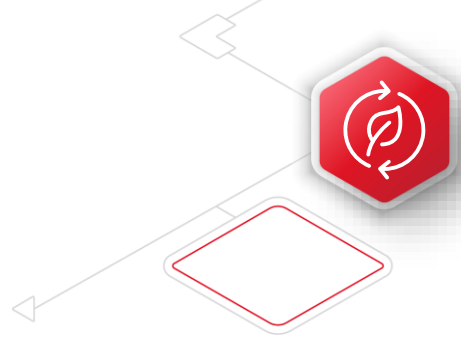
**Clean Product-
Certified CO₂
Intensity**

**First Customers
using Prillex Zero**

PRILLEX ZERO



Carbon Neutral



Carbon Neutral
0 tonCO₂/ton AN

SCX

Santiago climate Exchange.

Carbon Footprint
0,11 tonCO₂/ton AN

SGS

World's leading company in testing, inspection, and certification under ISO standards



IRECs

International Renewable energy Certificate.



Prillex Zero

Carbon-neutral AN
Cachimayo plant, Peru
Green Ammonia



Declaración PE24/00000254

Opinión de Declaración de la Verificación de “Huella de carbono de producto (HCP)”

Para un kg de Nitrato de Amonio Prillex® Zero prill de ENAEX de la Planta Cachimayo, Perú.

ENAEX – INDUSTRIAS CACHIMAYO S.A.

Sede Perú.: Av. Agustín Gamarra N°100, Cusco 08605, Perú

fue verificado con la ISO 14064-3:2019 en cumplimiento con los requisitos de la ISO 14067:2018

Emisiones de GEI Market based:

0.107 kg CO₂eq / kg de nitrato de amonio Prillex® Zero prill y su embalaje, desde la cuna hasta la puerta de salida de la Planta Cachimayo, Perú

0.150 kg CO₂eq / kg de nitrato de amonio Prillex® Zero prill y su embalaje, desde la cuna hasta la puerta del cliente de Prillex Zero y fin de vida del embalaje.

En las etapas de:

Extracción de materias primas y combustibles, uso de energía para la producción de insumos y sus empaques, tratamiento de residuos generados, transporte de insumos hacia la planta, producción de amoníaco, ácido nítrico y nitrato de amonio, envasado, tratamientos de agua para procesos, gestión de efluentes y residuos, transporte a los clientes y disposición final del embalaje.

Auditor Líder: Soledad Pereira
Auditores soporte: Juan Pablo Saravia
Technical Review: Pamela Castillo

Fecha de declaración: 30 de julio de 2024

Autorizado por
Julio Ubames Pinto
Certification Manager

Свідоцтво про видачу
цього процесу було
уприлюднено на





Enaex
STRONGER BONDS

Carbano
Neutral

Prillex® Zero

Producido por
Planta Cachimayo, Cusco

AMMONIUM
NITRATE
UN No.
1942



USE ONCE ONLY
STORE OUT OF SUNLIGHT



5,020 kg max.

NEVER Mix with any (oxidizing) agents
H252 May be harmful if inhaled
H272 Can cause oxidation or self-heating
Always check of replacement of fumes and/or confinement
Always use with suitable breathing mask gas
Emergency Number / Teléfono de Emergencia
51 514 1190

Enaex
STRONGER BONDS

Carbano
Neutral

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AMMONIUM
NITRATE
UN No.
1942



USE ONCE ONLY
STORE OUT OF SUNLIGHT



5,020 kg max.

Enaex

Enaex



Enaex

154,433 followers

1w •

We completed the first green blast using Prillex® Zero, our new carbon-neutral production of ammonium nitrate, at the Constanca mine with [Hudbay Peru](#) ...more



Prillex® Zero



Thank you!