

2026 EDITION

SALES PORTFOLIO

Design and manufacturing under one roof.

NR-12 · NR-33 · NR-35 · INDUSTRIAL AUTOMATION

IRAÍ-RS · SERVING ALL OF BRAZIL

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01.

WHO WE ARE

Pazini Engenharia has worked in Mechanical Engineering since 2018, focusing on industrial automation and innovation and on safety compliance upgrades under the NR-12, NR-33 and NR-35 standards.

Our specialty is grain storage facilities. With headquarters and an in-house factory in Iraí-RS, we deliver solutions throughout Brazil, with completed projects in the South Region, Mato Grosso and Tocantins.



HQ · IRAÍ-RS

Since 2018

Serving the whole country

IRAÍ-RS

Headquarters and factory

BRAZIL

Projects in the South, MT and TO

WHAT WE DO



NR-12

MACHINERY AND EQUIPMENT

Upgrading machinery and equipment to meet the safety requirements of the standard.



NR-33

CONFINED SPACES

Upgrades for safe entry and work in confined spaces.



NR-35

WORK AT HEIGHT

Upgrades for the safe performance of work at height.



AUTOMATION

INDUSTRIAL INNOVATION

Industrial automation and innovation, focused on grain storage facilities.

02.

OUR STRENGTHS



01 INDUSTRY 4.0

Every process runs through a system.

Every stage, from design to manufacturing, is managed in a system.



02 REVERSE ENGINEERING

3D scanning for a more accurate survey.

The 3D LiDAR scanner generates a point cloud with accurate and complete information about the facility, which can be viewed in a virtual model. The drone complements the site mapping.



03 INTEGRATED MANUFACTURING

The entire process takes place in-house at Pazini.

Engineering and manufacturing under one roof: from design concept to finished product, with our own team and factory.

FROM SURVEY TO COMPLETED PROJECT

1 3D survey



2 Design



3 In-house manufacturing



4 Completed project

03.

IN-HOUSE MANUFACTURING

In Iraí-RS, Pazini's factory brings the production stages together in one place, with high-quality machines.



LASER CUTTING



CNC BENDING



FINISHED PRODUCT: MOBILE STAIRWAY

LASER CUTTING



Sheet and tube cut with precision on the same machine.

CNC BENDING



Bending programmed by numerical control: the design angle is the part angle.

LASER WELDING



Precision welding, with less thermal distortion and a cleaner finish.

ELECTROSTATIC POWDER COATING



Powder applied and cured in an oven: a uniform finish, with protection and durability.



04.

COMPLETED PROJECTS

Safety upgrades and industrial solutions delivered to grain storage facilities throughout Brazil.

CLIENTS SERVED



FEATURED PROJECT

CARGILL



Access | Steel Tower

SCOPE

A safe access system was designed and manufactured for the upper steel gallery connecting a battery of silos, consisting of an inclined stairway and intermediate walkways with rest landings every 3 meters, in accordance with the applicable regulatory requirements.

The solution replaced the old fixed ladder, providing greater safety and ergonomics for access, while also allowing it to be used as an escape route in emergencies. With the previous vertical access eliminated, the need for a full-body harness and specific NR-35 training for this access was also removed.

LOCATION

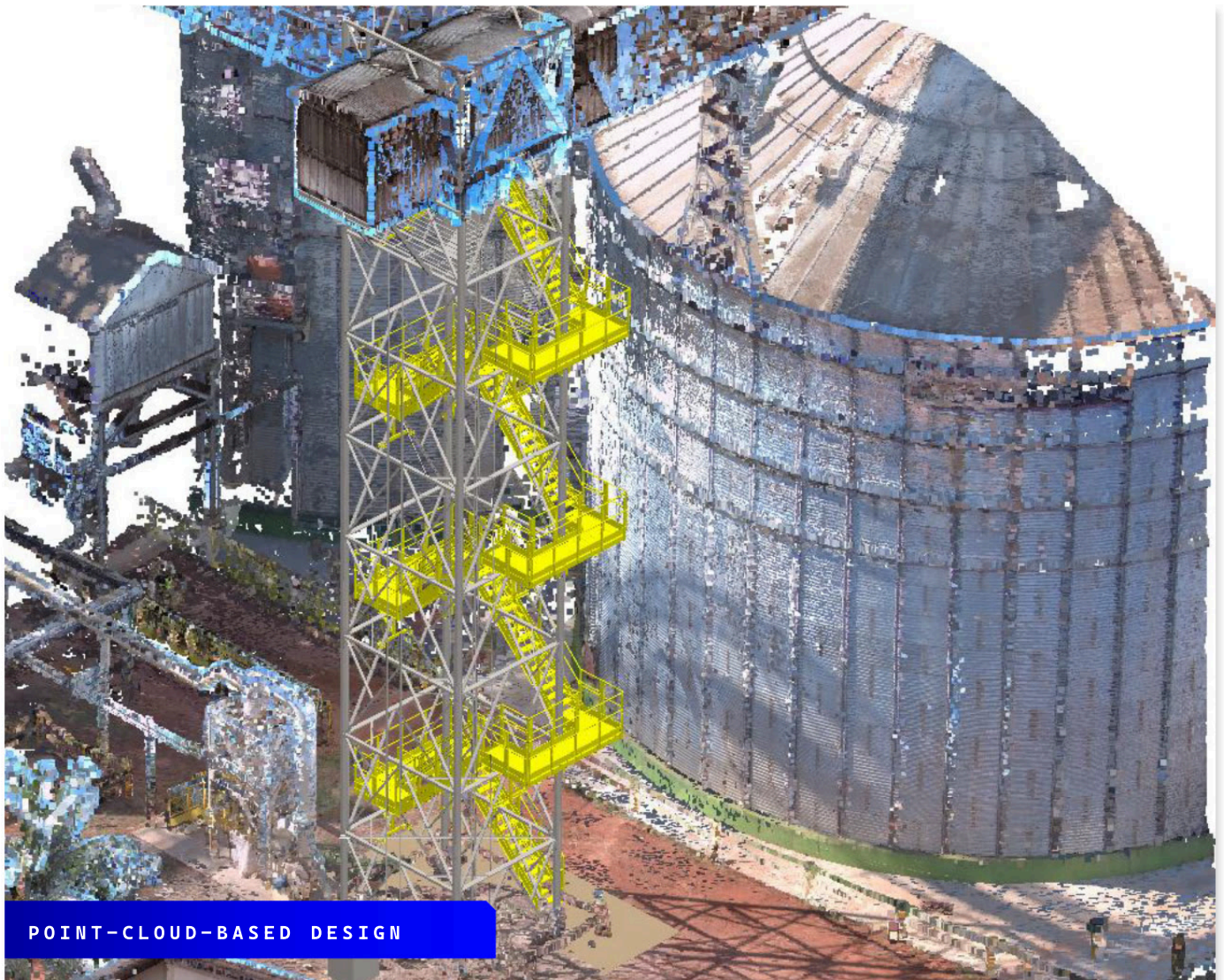
Pinheirópolis - TO

DATE

2026

PROBLEM SOLVED

NR-33 and NR-35



POINT-CLOUD-BASED DESIGN

FEATURED PROJECT



STRENGTHS APPLIED

3D Scanning

Industry 4.0

Modular Manufacturing

Specialized Installation

FEATURED PROJECT

AGRÁRIA

Automated Big Bag Unloading



LOCATION

Guarapuava - PR

DATE

2026

PROBLEM SOLVED

Process Automation

SCOPE

Previously, bulk unloading was done on top of the trailer: the forklift lifted the big bag and the operator climbed onto the truck, walked under the suspended load and untied the strapping, exposed to falls from height and crushing.

We developed equipment in which the big bag rests on the Z4000 mobile conveyor and the operator works at ground level. The conveyor loads the truck automatically and safely.

STRENGTHS APPLIED

Automation

NR-12 Safety

Modular Manufacturing

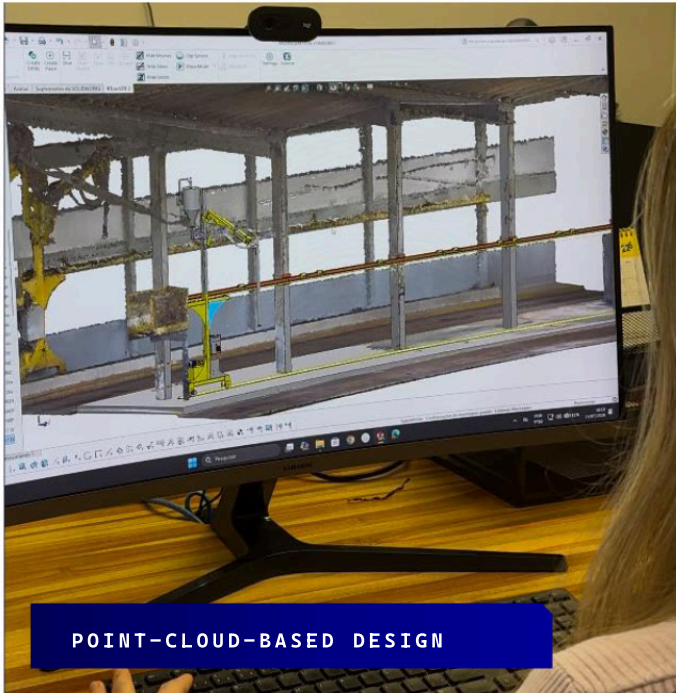


FEATURED PROJECT

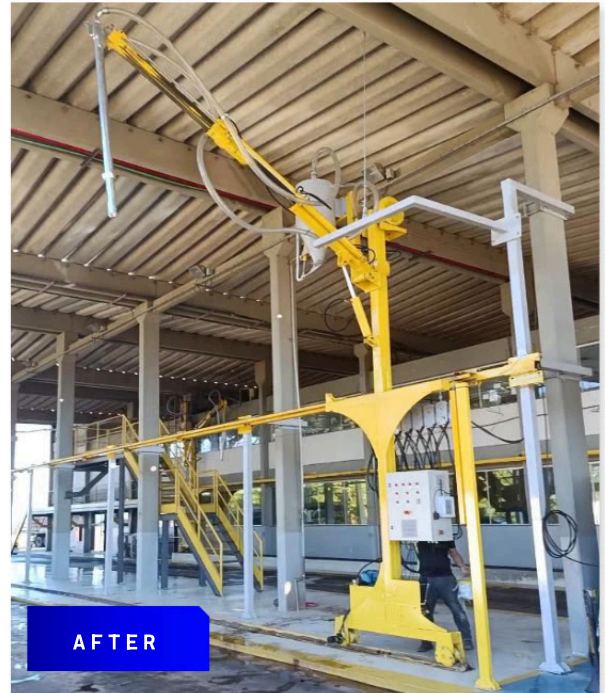
AGRÁRIA



Industrial Automation | Sample Collector



POINT-CLOUD-BASED DESIGN



AFTER

LOCATION

Guarapuava - PR

DATE

2026

PROBLEM SOLVED

Industrial Automation

SCOPE

The old sample collector was operated entirely by hand on the mezzanine, requiring the operator to be close to the structure and exposing them to height, noise, dust and other environmental agents.

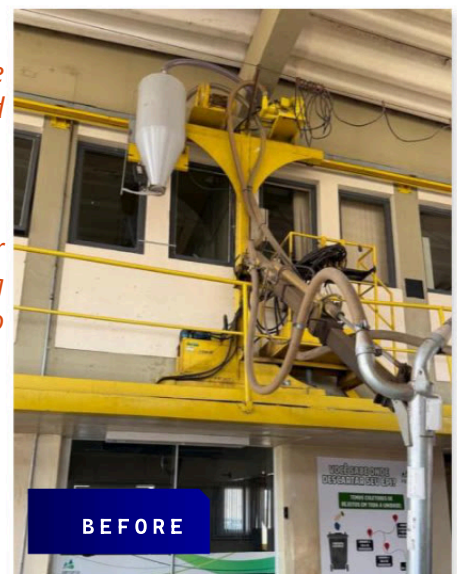
With the automation developed by Pazini Engenharia, the collector now operates at ground level and by remote control, providing greater safety, ergonomics and operational efficiency. The system also has a light curtain to protect the operating area.

STRENGTHS APPLIED

3D Scanning

Reverse Engineering

Industrial Automation



BEFORE

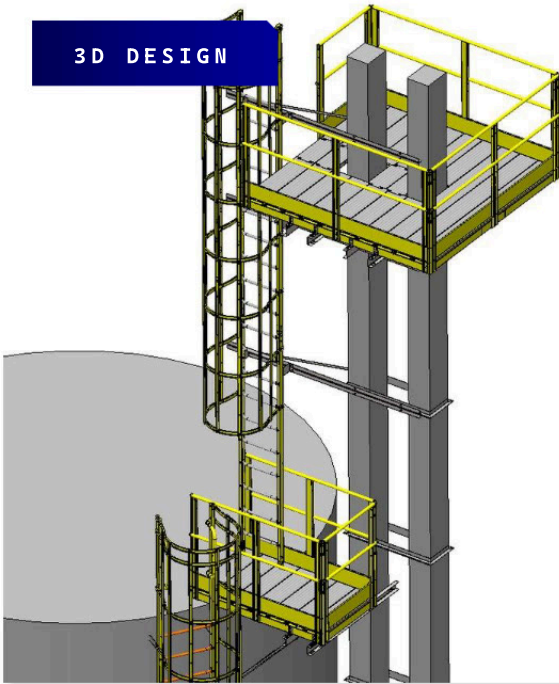
FEATURED PROJECT



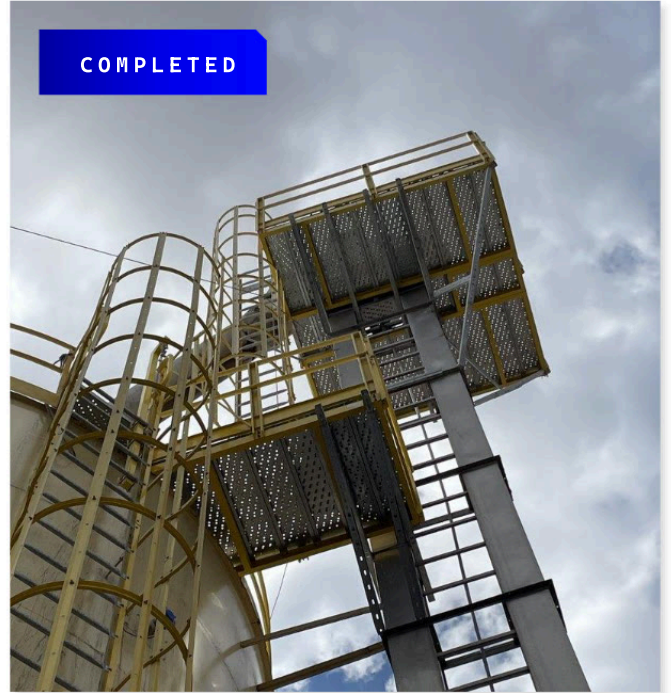
C.VALE

São José Starch Plant | Safety Upgrade

3D DESIGN



COMPLETED



LOCATION

São José - PR

DATE

2026

PROBLEM SOLVED

NR-12, NR-33 and NR-35

SCOPE • WOOD CHIP ELEVATOR UPGRADE

At the client's request, an access system to the top of the wood chip elevator was developed, consisting of two fixed ladders and access walkways through the silo, providing greater safety and convenience for inspecting and operating the equipment.

SCOPE • CUSTOM MOBILE INCLINED STAIRWAY

Custom-built to meet the client's needs, the Mobile Inclined Stairway has custom dimensions to allow safe access to two levels of bags inside the warehouse, with 2 wheels and 2 locking casters that provide mobility, stability and safety during operation.

STRENGTHS APPLIED

3D Scanning

Custom design

Modular Manufacturing



MOBILE INCLINED STAIRWAY

MORE COMPLETED PROJECTS



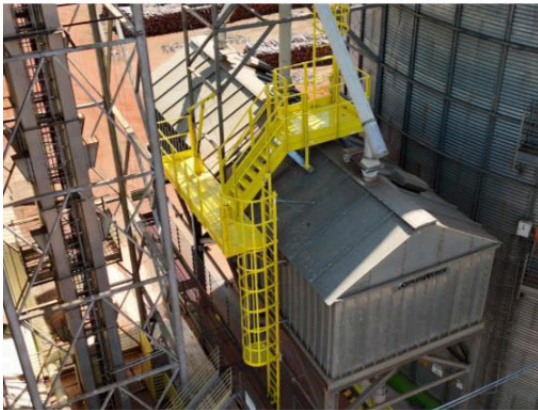
FIAGRIL

Delivered: *Custom Access to the Sample Collector*

Location: *Silvanópolis - TO*

Date: *2024*

Type: *NR-35*



Cargill

Delivered: *Access Structures and Fall Protection Systems*

Location: *Pinheirópolis - TO*

Date: *2026*

Type: *NR-33 and NR-35*



c.vale

Delivered: *Access Structures and Fall Protection Systems*

Location: *Maringá - PR*

Date: *2026*

Type: *NR-33 and NR-35*



Cotribá

Delivered: *Access Structures and Fall Protection Systems*

Location: *Ibirubá - RS*

Date: *2025*

Type: *NR-33 and NR-35*



SHALL WE TALK ABOUT YOUR NEEDS?

Talk to our team and learn about Pazini's solutions for your project.



WHATSAPP

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