

# Setta



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Av. Randolfo Borges Mundim, 620 - CEP: 38706-319

(34) 3826 7800 - Bairro Planalto - Patos de Minas | MG

MORE RELIABILITY AND SAFETY  
**FOR YOUR OPERATION**



# O Grupo Setta

With over 29 years of market experience, Grupo Setta employs more than 700 highly skilled professionals and has successfully completed over 600 projects across Brazil. The company is also proud to have produced more than 14,000 switchgear panels, essential for ensuring the safe and efficient operation of businesses nationwide.

**+700**

Employees

**+600**

Projects

**+14.00**

Switchgear panels  
Produced

**+29**

Years in the  
Market

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Grupo Setta is made up of four distinct business units, each specializing in providing specific services and products to meet our clients' needs:

## Setta Energy

Manufactures metal enclosures, fixed and withdrawable CCMs, substations, capacitor banks, and solar skids.

## Setta Engenharia

Provides EPC (Engineering, Procurement, and Construction) services, project management and execution, electrical and instrumentation projects, as well as electrical studies.

## Setta Digital Labs

Specialized in industrial automation, digital solutions, commissioning, and start-up.

## Setta Materiais

Focused on the commercialization of industrial and residential components, automation materials, decorative lighting, and industrial lighting.

# Our Products

## SAFETY AND FLEXIBILITY

Our products are designed to ensure maximum efficiency and safety, with certifications from Brazil's leading laboratories. We operate in industries, photovoltaic plants, and large-scale projects, delivering high-quality electrical equipment and sustainable solutions nationwide.



# Power Balt

Power Balt is a shielded substation, also known as a primary cabin, which provides the connection to the grid and metering for the utility company.

15kV To 36kV | Basic Or Shared

## Technical Features

- Viewing window for checking the disconnector switch position.
- Compact circuit breaker with a lifespan of up to 50,000 operations.
- Final paint color: Munsell N6.5 Gray, applied through an electrostatic process with epoxy-polyester-based paint.
- Outdoor installation.
- Compliant with ABNT NBR IEC 62271-200.
- Input voltage from 13.8kV to 34.5kV.
- Safety distance of 300mm (verified in arc flash test).



BASIC



SHARED



Digitalization Available

## Skid Balt

Skid Balt is a compact substation that provides transformation and protection for photovoltaic parks.

### Technical Features

- Compliant with ISO 12944, NBR 14039, 61439-1/2, and NR-10 standards.
- Input voltage from 13.8kV to 34.5kV.
- Safety distance of 300mm (verified in arc flash test).
- Compact circuit breaker with a lifespan of up to 50,000 operations.
- Industrial painting standard C3.
- Power options: 500kVA, 1000kVA, 2500kVA.
- Flexible use with both Oil and Dry-type transformers.
- Easy field installation – plug and play.
- Compatible with string inverters, prepared for automation and energy metering.



Digitalization Available

## QGBT Low Voltage Main Distribution Boards

Setta's Low Voltage Main Distribution Boards (QGBT) are built with modular columns, each capable of housing multiple drawers. This design ensures maximum operational continuity while maintaining safety as a fundamental parameter. The entire assembly has been tested according to IEC 61439-1/2 standards, and the main busbar supports up to 3200A.

### Technical Features

- Main Busbar current-carrying capacity: up to 3200A.
- Short-circuit withstand current: up to 65kA/1s.
- Voltage class: 800V.
- Internal separation form: up to 4B.
- Setta standard color: Munsell Gray N6.5.
- Protection rating: IP-4X, IP-42, and IP-54; Other IP ratings available upon request.
- Structure made of carbon steel sheets: #12MSG.
- Enclosures made of carbon steel sheets: #14MSG.
- Electrostatic powder coating.
- Galvanized mounting plates.
- Rated impulse withstand voltage: 8kV.



Digitalization Available

## Solar Electrocenter

A step-up substation with LV and MV protection, designed and manufactured to meet each customer's specific needs.

### Technical Features

- Medium voltage cubicle.
- Low voltage main switchboard up to 800V.
- Control and automation panel.
- Auxiliary transformer.
- Dry-type power transformer with forced ventilation.
- Internal and perimeter lighting.
- Fire suppression system.
- Panic bars in the transformer compartment.
- Input voltage from 13.8kV to 34.5kV.  
Rated power up to 3MVA.



Digitalization Available

## SEBS – Simplified Shielded Substation

A compact, quick-installation solution requiring minimal masonry work. It efficiently replaces traditional brick-built primary substations.

### Technical Features

- Outdoor installation.
- Compliant with ABNT NBR IEC 62271-200.
- Input voltage: 13.8kV or 23.1kV.
- Load-break switch with HH-type compact fuses.
- Output voltage: 220V, 380V, or 440V.
- Power transformer up to 300kVA.
- Output thermal-magnetic circuit breaker with current adjustment.
- Final color: Munsell Gray N6.5, applied through an electrostatic epoxy-polyester powder coating process.



Digitalization Available

# Molecular Filter

The SPI Petro Pipe Molecular Filter is a true revolution in water management and environmental protection. In emergency situations, such as oil spills, the filter instantly transforms into a containment system. This feature prevents oil from being released into the environment, protecting fragile ecosystems and ensuring on-site cleanup

## Advantages

- No energy or electronic components required for operation.
- Prevents contamination, ensuring safe water management.
- Effective oil containment, preventing unwanted leaks.
- Continuous protection for enhanced environmental safety.



## TECHNICAL DATA

Application	Solar skid, metal, or masonry containment basin
Oil Types	Mineral or Vegetable
Pipe Diameter	1.5" ou 2"
Continuous Water Flow	Up to 3.5 GPM when installed at a 15° - 25° angle
Maintenance Frequency	Once a year, before the rainy season

## Molecular Filter Models

Product Name	Code	Flow Rate (gpm)	Flow Rate (l/min)	Flow Rate (l/hora)	Óleo	Pré-filter (1.5" - 2")
Petro-Pipe, 4" x 16" with Male 1.5" Fitting - Ultra Violet	PIT-416-M1.5-UV	2	8	454	Mineral	PFC-44-M1.5 PFC-44-M2
Petro-Pipe, 4" x 16" M.1.5", for FR3 Oil/Ultra Violet	PIT-416-M1.5-FR3/UV	2	8	454	Vegetable	PFC-44-M1.5 PFC-44-M2

# Setta Engenharia

**A complete portfolio of services with reliability and efficiency for your project or construction.**

- ✓ **Electrical and instrumentation projects**
- ✓ **Assembly, commissioning, and start-up**
- ✓ **Construction management and execution**

## ELECTRICAL PROJECTS

- Conceptual, basic, and detailed engineering for industrial and building installations.(electrical, automation, and instrumentation).
- Electrical studies and equipment specifications. Lightning protection system (SPDA) projects, reports, and calculations.
- Inspections, diagnostics, and recommendations to adapt industrial facilities to NR-10 and NR-12 regulation.
- Development of cogeneration and grid connection solutions.
- Acompanhamento e implantação de projetos.

## PROJECT MANAGEMENT & EXECUTION

- Electrical installations in classified areas.
- Installation of power distribution networks.
- Industrial and building electrical installations for power, control, automation, and protection of subsystems, under turnkey or standalone contracts.
- Execution of NR-10 and NR-12 compliance projects.
- Assembly of high, medium, and low-voltage substations (conventional or prefabricated).
- Commissioning and start-up of electrical, instrumentation, and automation systems.

## CONTRACTING MODALITIES

- Lump Sum.
- Unit Price.
- Turn Key.
- Man-Hour (HH).
- Consortium.
- Other customized models.

# Setta Digital Labs

## Smart Monitoring for Industry 4.0

In the pursuit of solutions that ensure the safety of machines, products, people, and businesses, we develop innovative alternatives to effectively monitor industrial processes. We recognize the importance of making Industry 4.0 tangible and accessible, which led to the creation of Digital Labs.

Our solutions connect the entire industrial chain, enabling more accurate decision-making through precise analytics and real-time data. Everything is at your fingertips, providing control and security for your industrial plant, machine, or panel, in a simple and efficient way.

## Smart and Customized Solutions for Secure Decisions

### Setta Factory

#### Machine Solution

An operational guide that applies best practices and production control, minimizing errors and enhancing synergy between planning and execution.

### Setta Connect

#### Switchgear Solution

24/7 real-time monitoring, with alerts and notifications to keep users informed about everything happening in panel operations, ensuring faster and more accurate responses.

### Setta Progress

#### Industrial Process Solution

Integrating all areas of the industry, defining the ideal operational behavior from the shop floor to ERP systems, driving operational efficiency and results.

# INDUSTRIAL AUTOMATION

**Optimize processes,  
increase efficiency,  
and reduce  
production costs.**

With advanced automation solutions, you can integrate cutting-edge technology into your business, ensuring safer, more precise, and faster operations. This leads to higher productivity and greater market competitiveness.

**Our expertise in industrial automation provides customized systems tailored to the specific needs of your plant, propelling your company toward Industry 4.0.**

- ✓ Solutions in PLCs, DCSs, and SCADA systems: TIA Portal, PCS7, PlantPAX, Unified.
- ✓ Batch management and production reports.
- ✓ KPIs for maintenance, operations, and production trends.
- ✓ Data auditing and recipe tracking.
- ✓ Seamless connectivity with MES, WMS, and ERP systems (SAP and TOTVS).

