



鑫旭集团  
XINXU GROUP

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# PFE BOOK 2025

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XINXU GROUP Africa Office

**13 Avenue El Fouleth, Imm. GMG- App N°1A, Zone Industrielle Ben Arous, 2013, Tunisie**



# XINXU GROUP TEAM



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General Manager Africa  
office

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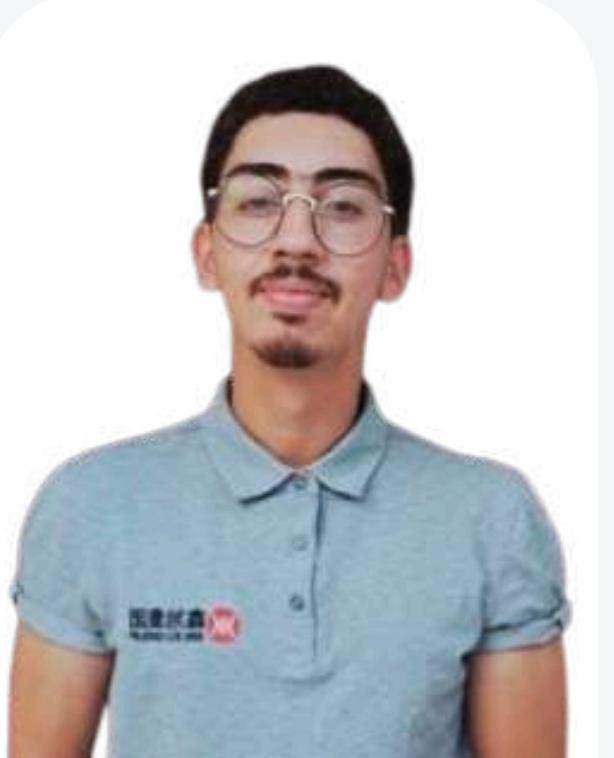
**Nouha Bahloul**  
Customer support  
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**Walid Bahloul**  
Sales and service  
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**Belhassen Bentati**  
Customer service  
responsible

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**Samar Aloui**  
Marketing and shipping  
responsible

[xinxuafrica@zbxinxu.com](mailto:xinxuafrica@zbxinxu.com)

# Company Culture

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## Enterprise Vision

To be a respected enterprise in the industry.  
To create more value for the staff and society

## Enterprise Spirit

Never Give up  
Dare to Pursue Unite to Create

## Management Idea

Honesty  
Innovation  
High Efficiency Harmony Responsibility



## Staff Declaration

Do every job well, Work hard today for a better tomorrow

## 01 Scrubber machines



# 01 Scrubber machines



## Project title

Market development of the group activity concerning scrubber machines: hand-push and Drive Series



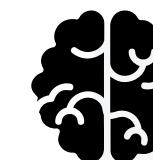
## Main tasks

Market research, market study, competition analysis, potential customer list, customer data bases, business development strategy.



## Profile

Degree in Marketing, international trade, Business Development



## Project targets

This project target is to make all marketing and business development work of the group for scrubber machines.



## Location

Ben Arous, Tunisia

Duration: 03 months

Supervisor: Mr. Walid Bahloul



## Key words

Marketing, Business Development, Machines, Market, Customers, Communication, Data Exchange.



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## 02 Lithium Batteries

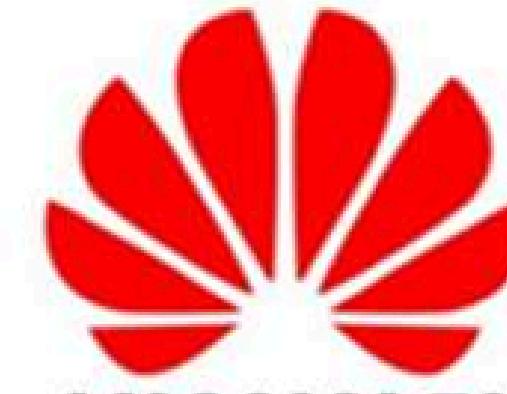


Military night  
vision battery.



大疆创新

UAV Power  
battery



HUAWEI

Telecom Power  
System



Portable ultrasonic  
meter battery.



TOYOTA

AGV Battery



中国国电  
CHINA GUODIAN

Energy storage  
battery



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## 02 Lithium Batteries



### Project title

Market development of the group activity concerning lithium batteries



### Profile

Degree in Marketing, international trade, Business Development.



### Main tasks

Market research, market study, competition analysis, potential customer list, customer data bases, business development strategy.



### Key words

Marketing, Business Development, Machines, Market, Customers, Communication, Data Exchange.



### Project targets

This project target is to make all marketing and business development work of the group for lithium batteries in different applications.



### Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mr. Noomen Bahloul



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## 02 Lithium Batteries



通讯模块  
Communication module



军用夜视仪  
Military night vision.

Existing Application field



无人机  
UAV(unmanned aerial vehicle)



AGV

Emerging Application field



医疗仪器  
Medical instruments



新能源汽车  
New energy automobile



储能领域  
Energy storage areas



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# 03 Web sites



## Project title

Development of local company website.



## Profile

Degree design, development, IT



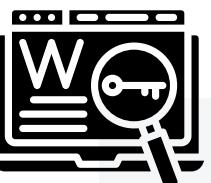
## Project targets

Design and establish the website of the local company.



## Main tasks

Web design, graphic, web development, website



## Key words

Marketing, Web design, Web development, Digital, programming.



## Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mrs. Samar Aloui

# 04 Online selling application

## Project title



Development of online selling application.

## Main tasks

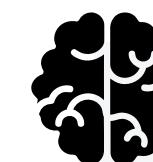
Web design, graphic, web development, website, online selling.

## Profile



Degree design, development, IT

## Project targets



Design and establish an application for online selling.



## Key words

Marketing, Web design, Web development, Digital, programming, online selling.



## Location

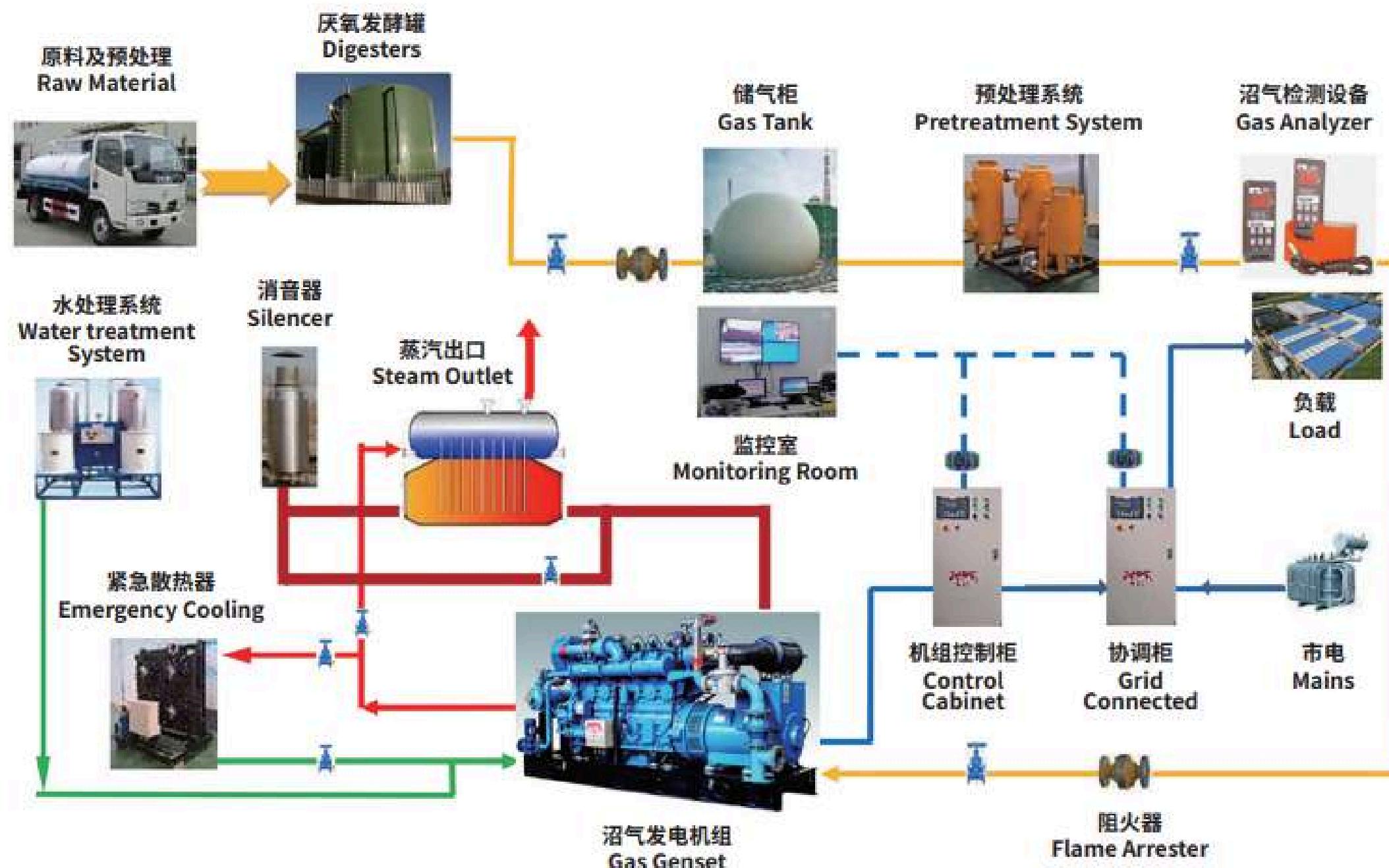
Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mrs. Nouha Neifer and Samar aloui

# 05 Gas Generators

Biogas CHP(steam type) System Process Schematic Diagram



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# 05 Gas Generators



## Project title

Market development of the group activity concerning Gas Generator.



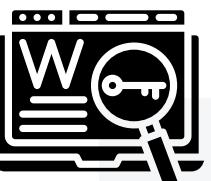
## Profile

Degree in Marketing, international trade, Business Development.



## Main tasks

Market research, market study, competition analysis, potential customer list, customer data bases, business development strategy.



## Key words

Marketing, Business Development, Machines, Market, Customers, Communication, Data Exchange.



## Project targets

This project target is to make all marketing and business development work of the group for lithium batteries in different applications.



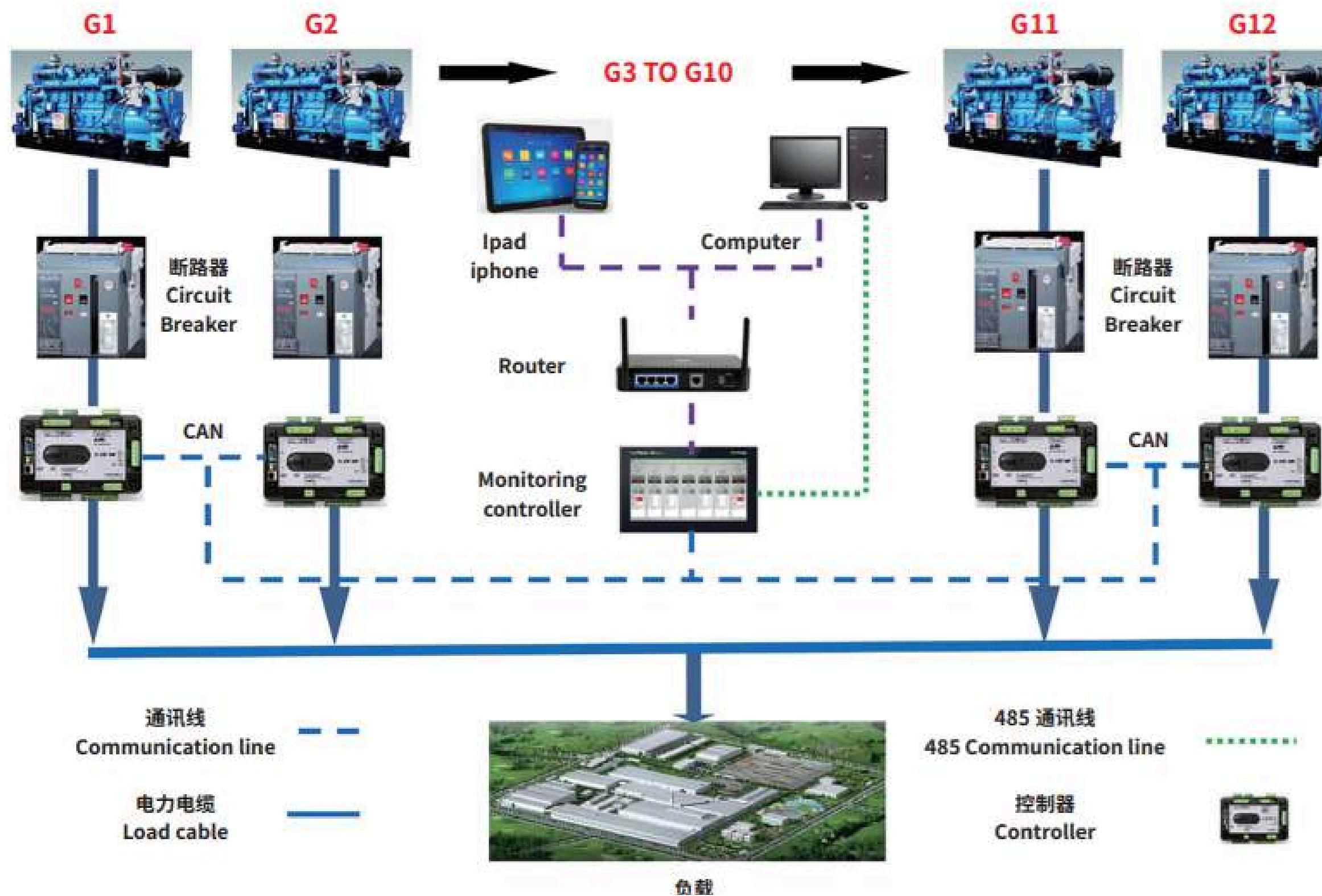
## Location

Ben Arous, Tunisia

Duration: 03 months

Supervisor: Mrs. Nouha Neifer

# 05 Gas Generators



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## **06 Supervision system for Industry 4.0 for battery industry application**



# **06 Supervision system for Industry 4.0 for battery industry application**



## **Project title**

Supervision system for Industry 4.0 for battery industry application.



## **Profile**

Engineer industrial or Electromechanical.



## **Project targets**

This project target is to prepare a data base of supervision system for battery industry.



## **Main tasks**

Process, KPI, Supervision, data base, machines, product parameters.



## **Key words**

Machines, Market, Customers, Communication, Data Exchange, Supervision, batteries, Industry 4.0, KPI .



## **Location**

Ben Arous, Tunisia

**Duration: 06 months**

**Supervisor: Mr. Noomen Bahloul**

## **06 Supervision system for Industry 4.0 for battery industry application**



# 07 Supervision system of lithium batteries



## Project title

Development of supervision system for lithium batteries in working conditions.



## Profile

Application development, IT.



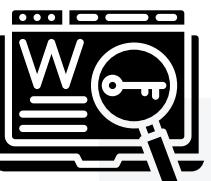
## Project targets

Design and establish an application to control the working conditions of lithium batteries .



## Main tasks

Working conditions, key parameters, communication.



## Key words

Digital, programming, lithium batteries, application.



## Location

Ben Arous, Tunisia

Duration: 03 months

Supervisor: Mr. Walid Bahloul



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## 08 Spot welding approval in lithium batteries



# 08 Spot welding approval in lithium batteries



## Project title

Design and manufacturing of spot welding quality control system.



## Profile

Engineer industrial or Electromechanical or Chemistry .



## Main tasks

Process, machine, product parameters, welding, quality.



## Key words

Machines, lithium batteries, spot welding, lithium cells.



## Project targets

Develop a system to control and approve the welding quality of lithium cells.



## Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mr. Noomen Bahloul

# 09 Non destructive control of strap welding for lead acid batteries



# 09 Non destructive control of strap welding for lead acid batteries



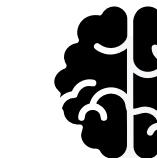
## Project title

Manufacturing non destructive control of strap welding quality.



## Profile

Engineer industrial or Electromechanical .



## Project targets

Develop a system to control and approve the welding quality for lead acid batteries.\_



## Main tasks

Design, manufacturing.



## Key words

Machines, welding, process, quality, control.



## Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mr. Noomen and walid Bahloul

# 10 Manufacturing of Hole Puncher Machine for car and truck batteries



## Project title

Manufacturing of automatic partition punching machine for car and truck application.



## Profile

Engineer industrial or Electromechanical.



## Project targets

Manufacturing of machine with low cost for automotive batteries industries.



## Main tasks

Design, manufacturing.



## Key words

Manufacturing, Design.



## Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mr. Noomen and walid Bahloul



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# 11 Development of a Non-Contact Thickness Measuring System



## Project title

Manufacturing of automatic partition  
punching machine for car and truck  
application.



## Profile

Engineer industrial or  
Electromechanical.



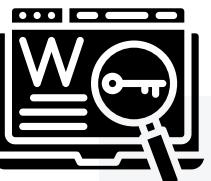
## Project targets

Ensure precise thickness measurement  
for battery components.



## Main tasks

System integration, sensor  
calibration, data visualization  
setup.



## Key words

Automation, Sensors, Data Processing,  
Measurement.



## Location

Ben Arous, Tunisia

Duration: 06 months

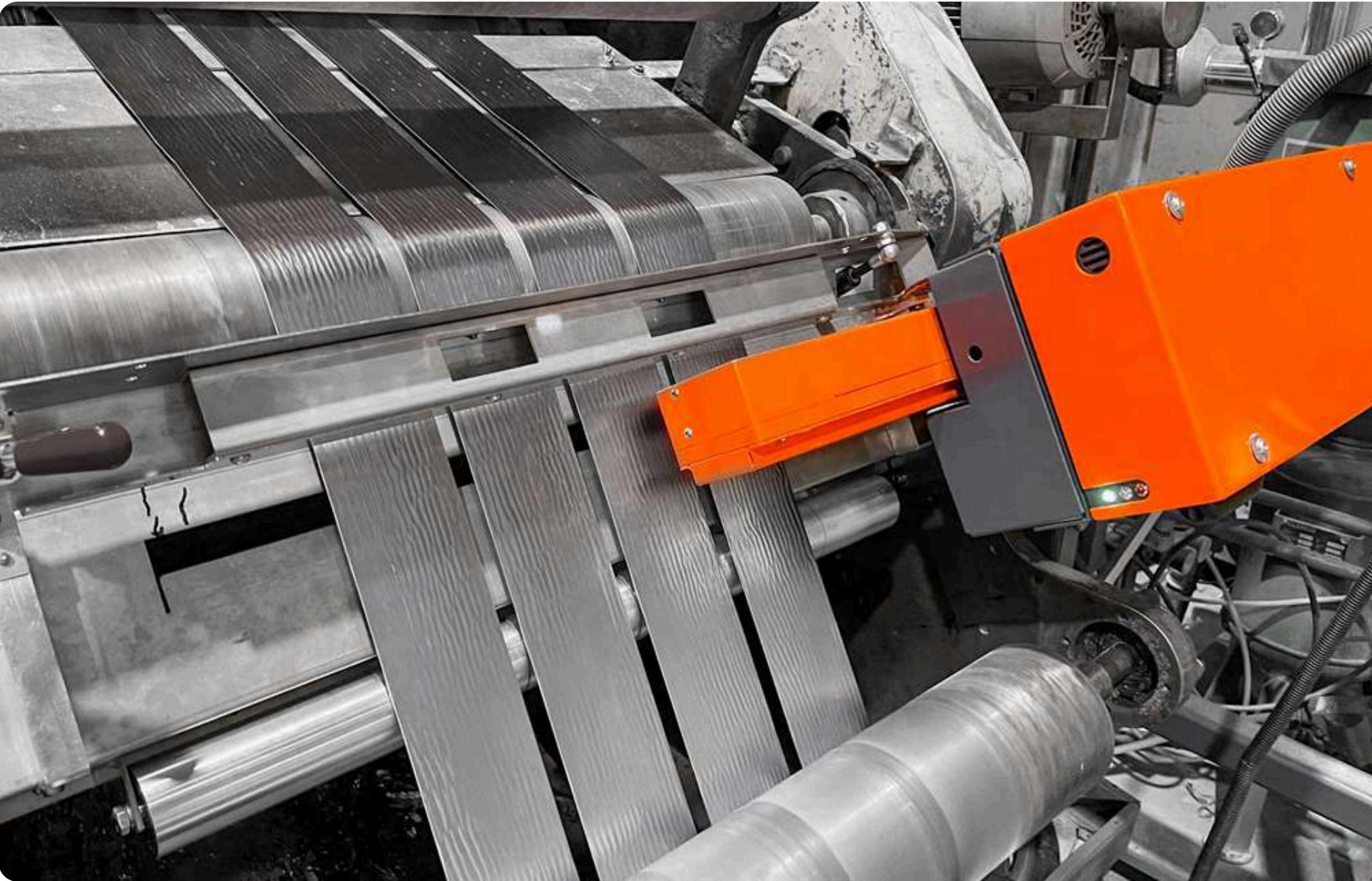
Supervisor: Mr. Noomen and Mr. Belhsan  
hantati



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# 11 Development of a Non-Contact Thickness Measuring System



# 12 Line Tester Equipment Program for Monitoring Key Parameters



## Project title

Development of Line Tester Monitoring Program



## Profile

Engineer industrial or Electromechanical.



## Project targets

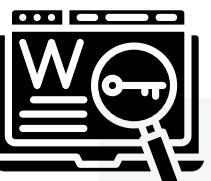
Ensure reliable and accurate measurements.



## Main tasks

Develop software to collect and display data.

Test and validate the system.



## Key words

Line tester, Real-time monitoring, Voltage, current, time, Data visualization, Software development.

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## Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mr.walid Bahloul



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# 12 Line Tester Equipment Program for Monitoring Key Parameters



# 13 Smart Maintenance System for Industrial Equipment



## Project title

**Development of a Predictive Maintenance System for Industrial Equipment.**



## Profile

Electromechanical Engineer.



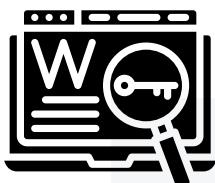
## Project targets

Development of a Predictive Maintenance System for Industrial Equipment.



## Main tasks

Sensor integration, data acquisition, predictive model development.



## Key words

Industry 4.0, Predictive Maintenance, IoT, Machine Learning.

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## Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mr.Belhsan Hantati and Mr.Walid Bahloul



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# 14 Robotic Arm for Precision Welding



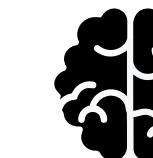
## Project title

Design and Development of a Robotic Arm for Precision Welding.



## Profile

Electromechanical Engineer



## Project targets

Improve welding accuracy and reduce manual labor.



## Main tasks

Robotic arm design, control system development, welding system integration.



## Key words

Robotics, Welding, Automation, Precision Control.

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## Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mr.Belhsan Hantati and  
Mr.Noomen Bahloul



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# 15 Rectifier Equipment Temperature Management System



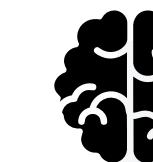
## Project title

Design and Development of a Robotic Arm for Precision Welding.



## Profile

Electromechanical Engineer



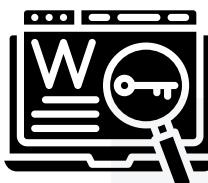
## Project targets

Improve welding accuracy and reduce manual labor.



## Main tasks

Develop the system to set and monitor temperature limits.  
Implement circuit-specific shutdown logic.  
Test and ensure reliability.



## Key words

Robotics, Welding, Automation,  
Precision Control, Rectifier  
Temperature control, Circuit monitoring  
Fault detection, System safety.



## Location

Ben Arous, Tunisia

Duration: 06 months

Supervisor: Mr.Noomen Bahloul and  
Mr.Walid Bahloul



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# 15 Rectifier Equipment Temperature Management System



# XINXU Global Target

## In Africa



Based on Tunisia to expand African Market

## South America



Xinxu-Mexico Office to serve South American Market

## In Asia



Set up Xinxu-Pakistan Industrial Zone, expand to all Asia

## East Europe



Xinxu-Bulgaria Service Center to cover East European market



## Contact us

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*You are welcome to join us.*



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