

PFE BOOK 2026

SHAPE THE FUTURE WITH US - YOUR PATH BEGINS HERE



Who are we?

Introduction to our company

Company Overview

Asteroidea is a global company that creates smart digital solutions for urban mobility and parking.

We help cities, governments, and private companies make urban mobility smoother, more efficient, and ready for the future.

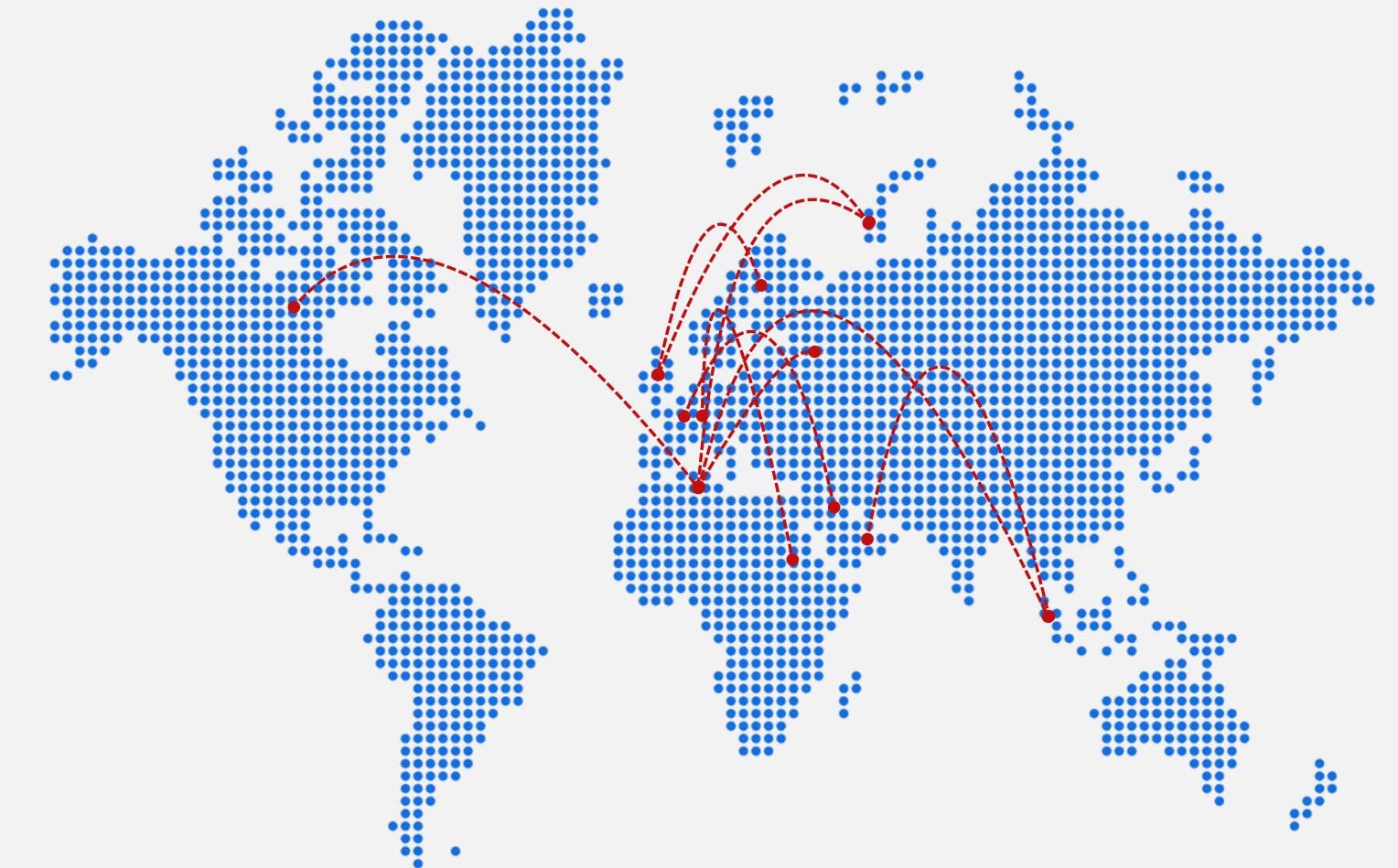
By digitizing parking systems, connecting EV charging, and using AI and data, we design solutions that improve operations, enhance user experience, and make urban mobility smarter and more sustainable.

Key Achievements

More than 30 projects in 12 countries.

Core Values

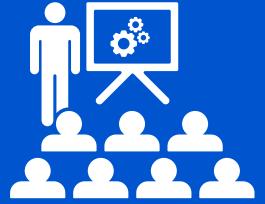
Innovation, integrity, and team work drive us.



Our Culture

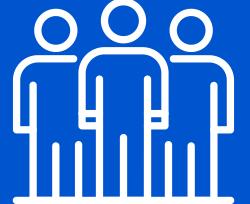
The Heart of Our Team: Culture That Inspires

Company Culture



Our company culture is designed to be unique and supportive, specifically aimed at attracting and nurturing new talent.

Inclusivity



We prioritize inclusivity, ensuring that all employees feel valued and included in the team.

Innovation



Innovation is at the core of our culture, encouraging creativity and new ideas from all team members.

Work-Life Balance



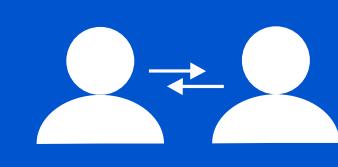
We emphasize work-life balance, promoting a healthy separation between professional and personal life.

Collaboration



Collaboration is key in our workplace, fostering team work and open communication among all staff.

Employee Voices



We include quotes from employees that express what they love about working here, showcasing the positive impact of our culture.

Why Intern With Us?



Hands-On Experience

Gain practical skills and knowledge through direct involvement in projects.

Mentorship

Receive guidance and support from experienced professionals in the field.

Exposure to Real Projects

Work on actual projects that contribute to the company's goals, enhancing your learning.

Paid Internship

You work, you get paid, as simple as that!

Internship Opportunities

Opportunities Await: Find Your Fit

REFERENCE	PROJECT TITLE	PROFILE	TECHNOLOGIES	DETAILS IN PAGE
AST-2026-001	Park & Charge – B2C Mobile Application	Full Stack Developer	Flutter, GoLang, React, REST APIs, PostgreSQL, Firebase, PSP Integration, Google Maps SDK, Docker	6
AST-2026-002	AI Voice Assistant for Parking Customers	AI Developer	Python, TensorFlow / PyTorch, LangChain, Dialogflow / Rasa, FastAPI	7
AST-2026-003	Astro Cloud Monitoring & Automated Deployment Platform	DevOps	Kubernetes, Docker, ELK Stack, GitLab CI, Ansible – Terraform, Checkmk or similar	8
AST-2026-004	Reinforcement Learning and Model Improvement for FinCarPrint AI product	AI Developer	Python, PyTorch, OpenCV, Reinforcement Learning	9
AST-2026-005	Dynamic Pricing Engine for Parking & EV Charging	Full Stack Developer	GoLang, React, REST APIs, PostgreSQL/SQLite, Docker	10
AST-2026-006	Park and Charge – B2C Marketing Plan & strategy	Sales & Marketing	Data scrapping, Market research, Figma, Notion / Trello, Canva, Power BI, Excel, powerpoint	11

AST-2026-001

Park & Charge – B2C Mobile Application

Full Stack Developer

Design and develop a B2C mobile application that allows EV drivers to locate, book, start, stop and pay for charging sessions seamlessly.

The application will feature secure user authentication, charging session history, and integrated payment options.

A web-based back office will also be developed to enable administrators to manage EV chargers, users, and transactions, and to visualize data through dashboards and analytical reports.

Flutter, GoLang, React, REST APIs, PostgreSQL, Firebase, PSP Integration, Google Maps SDK, Docker



AST-2026-002

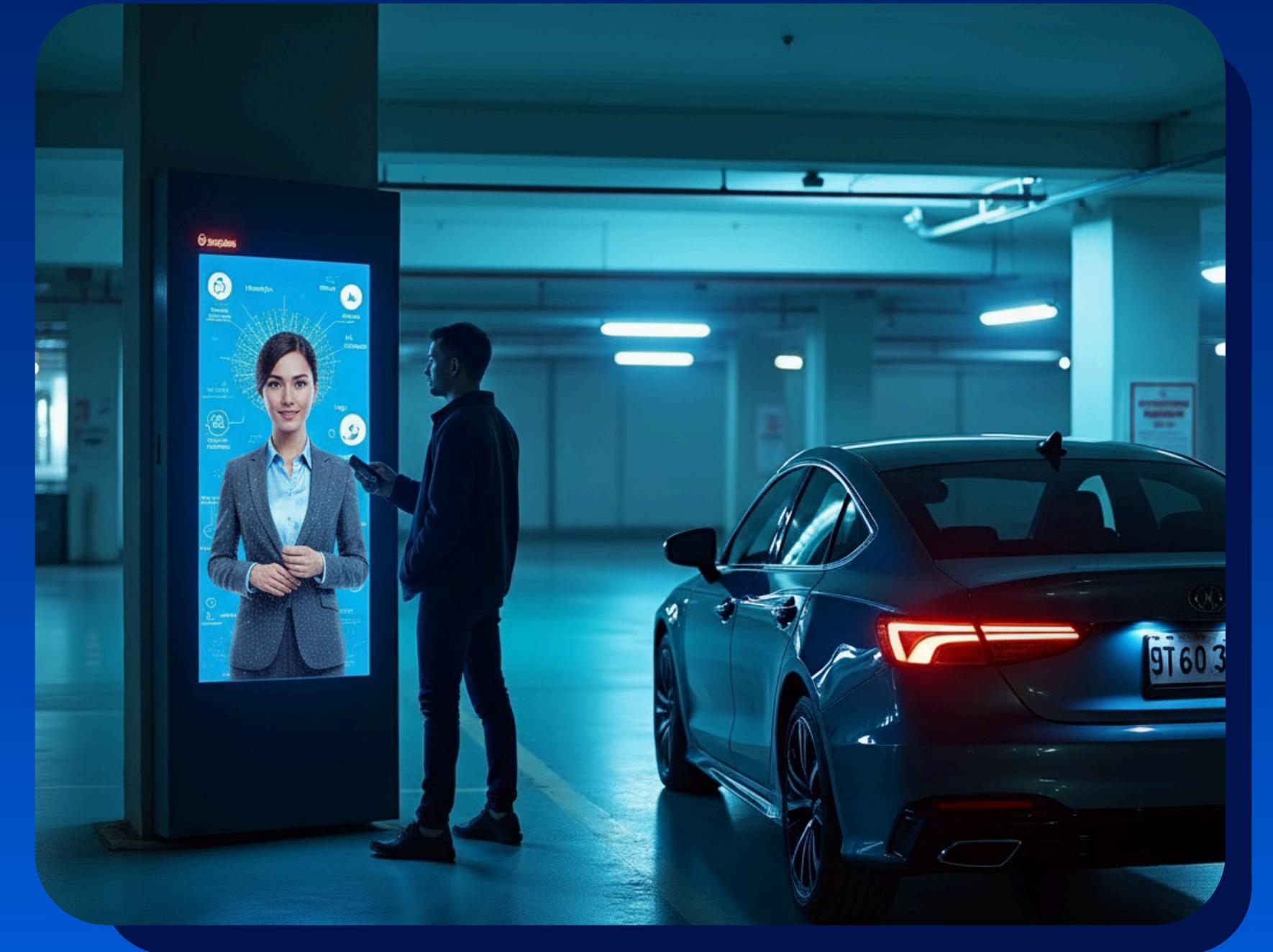
AI Voice Assistant for Parking Customers

AI Developer

Develop an AI-powered voice assistant designed to provide instant support to parking customers for common issues such as lost tickets, payment errors, or gate malfunctions.

The solution will leverage Natural Language Processing (NLP) to understand and respond to user queries intelligently, enabling automated, human-like voice interactions that enhance the customer experience.

Python, TensorFlow / PyTorch, LangChain, Dialogflow / Rasa, FastAPI



AST-2026-003

Astro Cloud Monitoring & Automated Deployment Platform

DevOps

Design and implement a centralized cloud monitoring and alerting platform to supervise all Asteroidea SaaS products.

The platform will include real-time dashboards, incident detection and alerting, and automated deployment pipelines to ensure continuous availability and reliability.

Using Kubernetes-based orchestration and CI/CD automation, the project aims to enhance system scalability, performance monitoring, and operational efficiency.

Kubernetes, Docker, ELK Stack, GitLab CI, Ansible – Terraform, Checkmk or similar



AST-2026-004

Reinforcement Learning and Model Improvement for FinCarPrint AI product

AI Developer

Enhance FinCarPrint, Asteroidea's AI-based vehicle and license plate recognition system, by building and labeling a diverse dataset of vehicle images captured under various real-world conditions, including day and night, full vehicle views, cropped license plates, and both black & white and color formats.

The project also includes training and testing across different countries' license plate formats to ensure global adaptability.

An automated continuous learning pipeline will be implemented to retrain models periodically, improving detection accuracy and robustness over time.

Python, PyTorch, OpenCV, Reinforcement Learning



AST-2026-005

Dynamic Pricing Engine for Parking & EV Charging

Full Stack Developer

Develop a powerful backend engine capable of calculating dynamic parking and EV charging rates based on multiple criteria, including real-time demand, time of day, location, occupancy, weather conditions, and energy source.

The project also includes a backoffice for managing and configuring tariff rates, as well as a dashboard providing analytics and reporting to support data-driven decision-making.

GoLang, React, REST APIs, PostgreSQL/SQLite, Docker



AST-2026-006

Park and Charge – B2C Marketing Plan & strategy

Sales & Marketing

Conduct a comprehensive market study about the national EVs and EV charging market. The project includes defining target customer segments, identifying potential strategic partnerships, and designing a competitive pricing and go-to-market strategy.

You will also support developing marketing campaigns (inbound and outbound), propose brand positioning, and design a visibility roadmap to accelerate adoption and strengthen Park & Charge's presence in the Tunisian market.

Data scrapping, Market research, Figma, Notion / Trello, Canva, Power BI, Excel, powerpoint





Hear from our heros

Meet some of our Intern Alumni



Amin

I had such a great time during my internship and learned so much! Grateful for all the support and experiences that made it so special.



Lamys

During my internship, I worked on a product delivered to a client, seeing my work live was amazing. Astroideea helped me grow technically and personally, improving my web development skills while highlighting the value of teamwork and communication in a supportive environment.



Ayoub

My internship at Astroideea was more than just an internship it was joining a true professional family. I appreciated the welcoming, collaborative atmosphere and the supportive environment that inspired creativity and showed me that with determination and hard work, any idea can come to life.

**We will
challenge you**

We are different, join
us to know how.

We will push you

Some say we are defined
by our limitations, get
ready for self awareness.

**Even if you fail,
you will succeed**

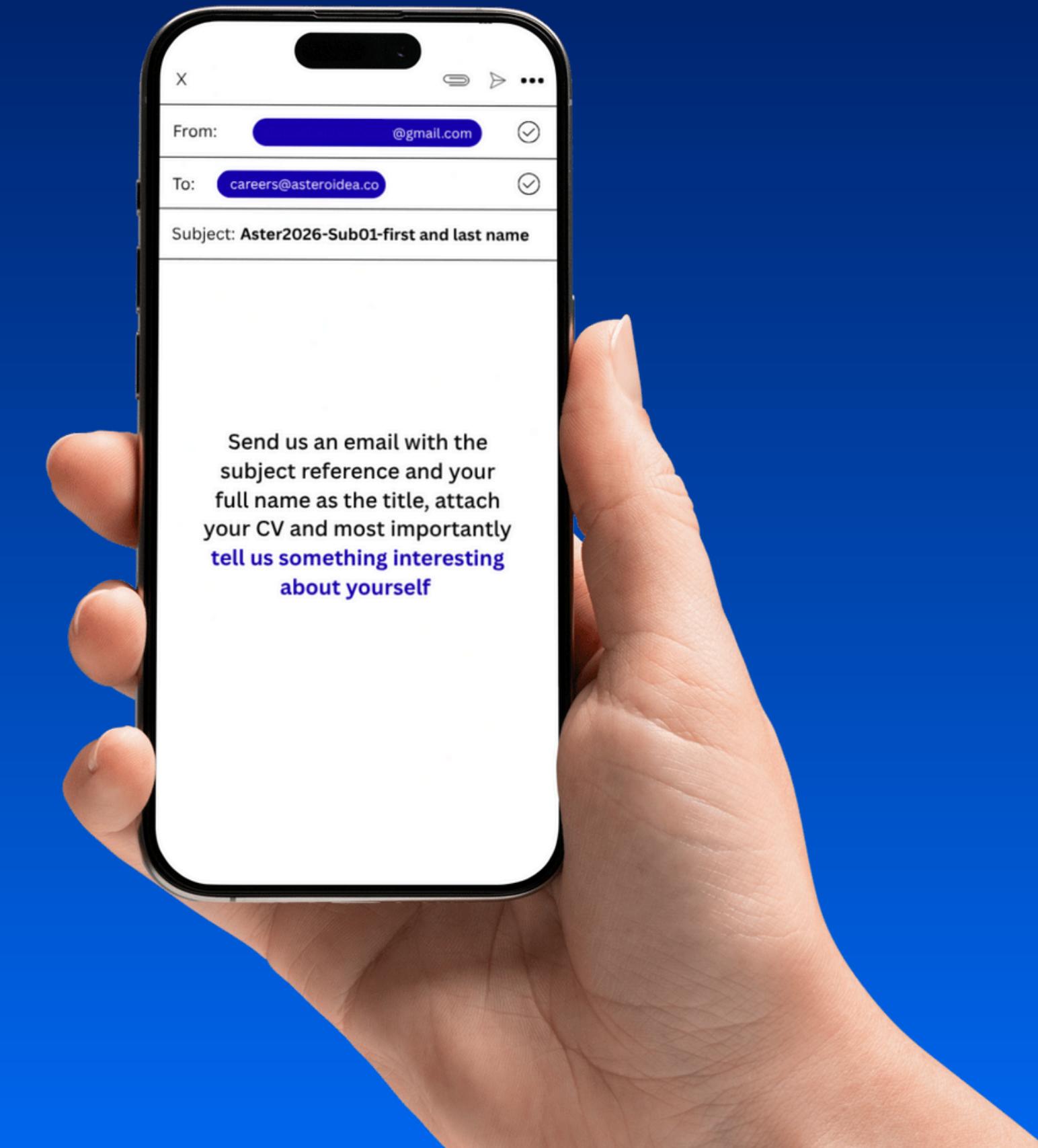
The road to success is
paved by stepstones of
failures.

Don't apply!

If you are not willing to be challenged

How to Apply?

Deadline: 30/11/2025



Selection Process Steps



Step 1

CV Screening

Step 2

Online
Assessment

Step 3

On-Site
Evaluation

“If you are offered a seat on a rocket ship, don’t ask what seat! Just get on.”

Sheryl Sandberg, Former COO of Facebook

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