

1pax

Future of Mobility

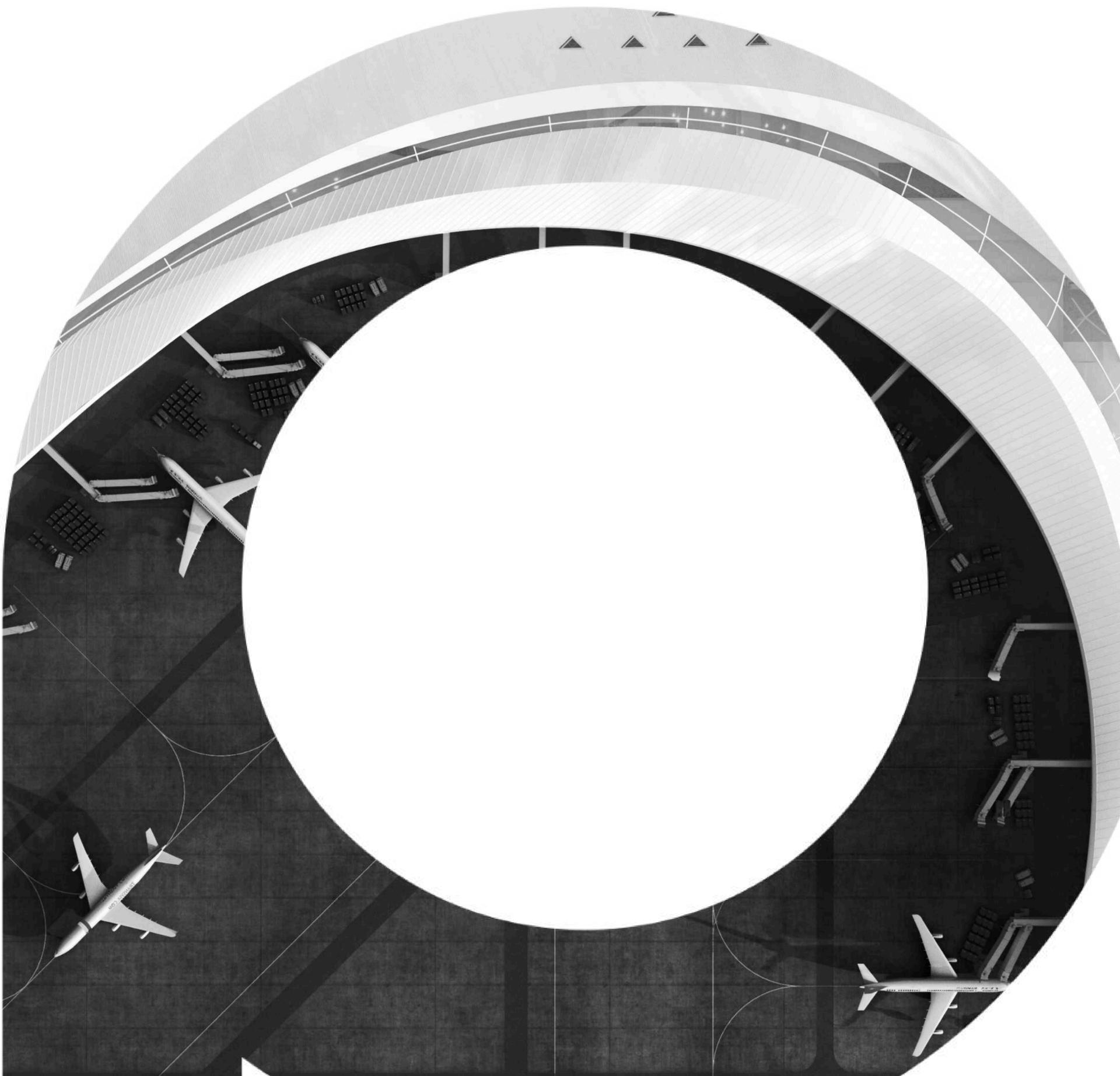




Photo by Gaoyu Zhao

1pax In numbers

+20 years of experience in terminal design

+90 airports and mobility hubs designed

5 offices around the world

+30 multidisciplinary team members

+4.5 million m² designed

+500 million passengers have traveled
experiencing the functionality of our projects

4 patents (Europe/China)

8 terminals and projects delivered





Every day, millions of people travel, and every step of their journey matters. But transit environments are often chaotic, noisy, and disorienting. These challenges are not only stressful for passengers but also create delays for airlines and increase operational costs for airports and mobility hubs.

At **1PAX**, we believe design can change that. By rethinking infrastructure through the lens of passenger experience, we aim to eliminate friction, improve flow, and do so in a sustainable, human-centered way.



1PAX is a forward-thinking architectural design and innovation firm specializing in sustainable aerial infrastructure and transformative mobility experiences. With a decade of experience and a global presence, we deliver cutting-edge solutions that fuse architecture, technology, and environmental responsibility.

Our areas of expertise include:

- Design of transportation buildings
- City and regional master planning
- EVTOL (vertiport) and heliport infrastructure
- BIM-based project development
- Patented innovations improving the passenger experience

With over 90 airports and mobility hubs designed, we shape smarter, greener futures for transportation—and beyond.

Project: Fuzhou International Airport, Fuzhou, China



UNIQUE VALUE & PHILOSOPHY

We design with purpose: to create human-scaled, emotionally resonant environments that enhance well-being while remaining highly functional and efficient. At the intersection of innovation and empathy, our projects balance technical excellence with architectural beauty, always placing the passenger at the center of the journey.

We are not just an architectural and design firm; we are a global collective of creative thinkers and seasoned architects and engineers. Our collaborative spirit enables groundbreaking solutions that blend different perspectives and talents, transforming today's mobility challenges into tomorrow's opportunities.

Experts in transforming complex mobility infrastructure without interrupting operations.

A key strength of 1PAX is our ability to design and implement complex projects within live operational environments. Our team is experienced in developing phased construction strategies that allow infrastructure to evolve while operations continue uninterrupted. This approach protects passenger experience, ensures operational continuity, and minimizes disruption for airlines, operators, and travelers.



OUR GLOBAL PRESENCE

Operating from six cities - Paris, Belgrade, Lima, Shanghai, Barcelona, and Delaware - our team collaborates seamlessly in a 24/7 workflow that leverages time zones to maximize productivity.

We seek to share our know-how with countries and new generations from all around the world. Anyone passionate about transportation and aviation can join 1PAX and contribute to their country's development without necessarily emigrating.

PARIS

BELGRADE

LIMA

BARCELONA

SHANGHAI

DELAWARE



OUR SERVICES

Transport Buildings



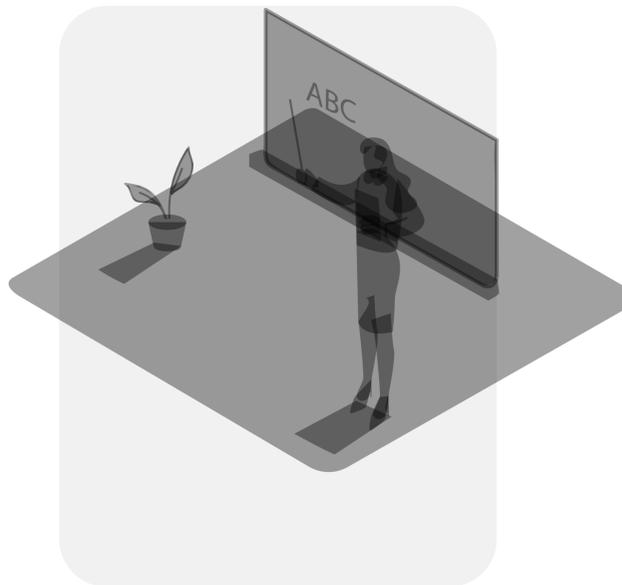
Mobility of the Future



**Town planning and
Master plan**



Consulting / BIM



Innovation and patents



Interior design and Retail



Industrial Buildings



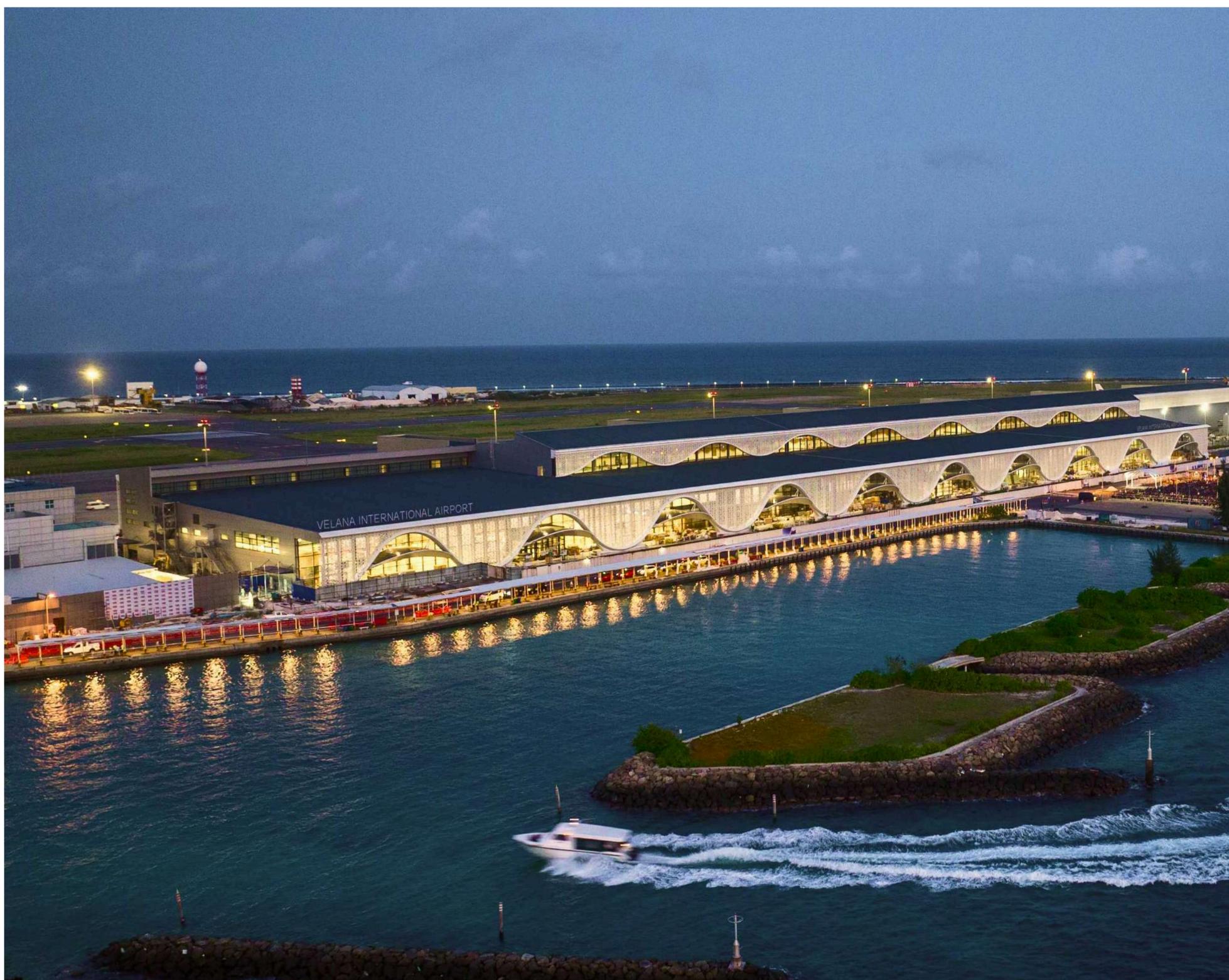
Working and Living



1PAX has strong expertise in delivering projects within live operational environments, carefully phasing construction to ensure uninterrupted passenger flows and airport operations.

Velana International Airport Malé, Maldives

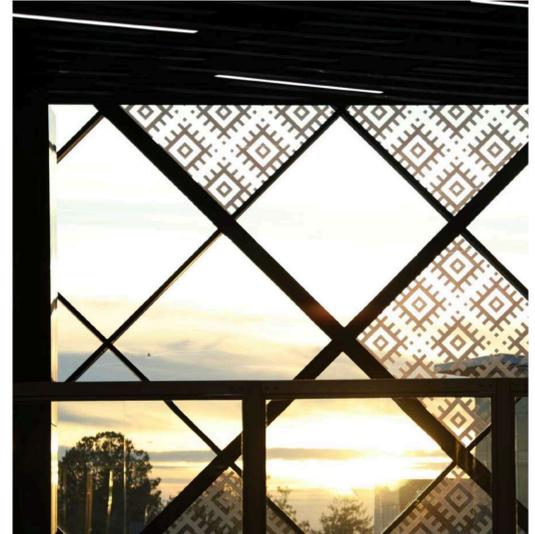
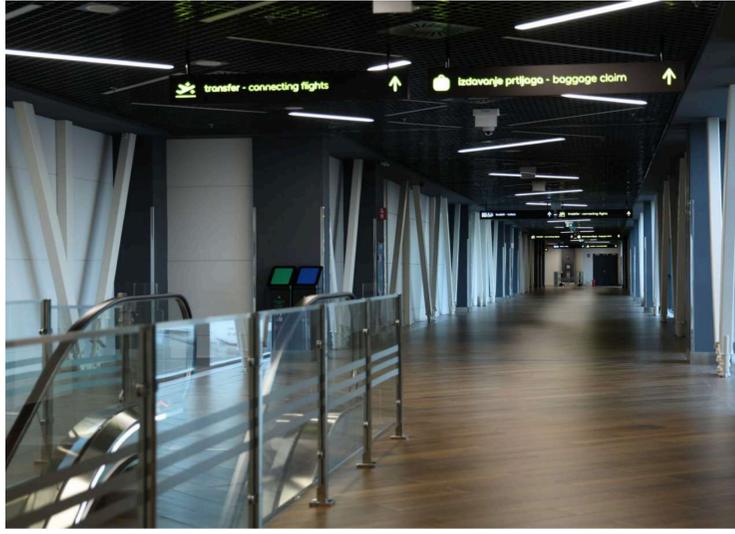
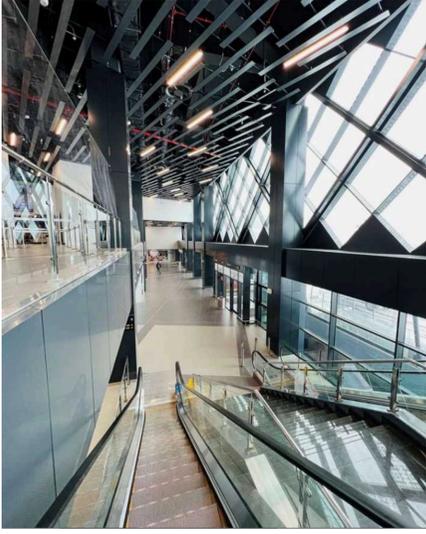
1PAX designed a new international terminal totaling 103,000 m², integrating a brand-new gateway to the country. Additionally, 1PAX designed a new intermodal zone linking the terminal to the seaplane airport and the resort boat transit infrastructure. Developed entirely in BIM with a 30-member design team, this project reimagines the first impression of Maldivian tourism and a monument showcasing Maldivian Heritage and Culture.



Year: 2016 - 2025 (opening)
Client: MACL, Saudi Binladin
Architect: 1PAX
Engineers: SETEC
Contractor: SBG -CHEC
Area: 102.000 m²
Capacity: 7.3 MPAX PH1 - 9.5 MPAX PH2
Cost: €850M

Status: Built





Belgrade International Airport – Phase 1 & 2

Belgrade, Serbia

From new arrival galleries and boarding piers to central security zones, 1PAX redesigned and expanded key passenger areas, including check-in, security screening, duty-free zones, and arrival and baggage delivery facilities, as well as support facilities such as firefighting stations and administrative buildings.

Year: 2021 - 2025

Client: Belgrade Airport

Architect: 1PAX, Energoprojekt

Partners: Tg Concept, Egis, Systra

Area : 47,000 m² new, 50.000 m² refit

Capacity: 12 MPAX

Cost : 700€ M (200€ M terminal)

Status: Built



Sofia International Airport - New Terminal 3 and Terminal 2

Sofia, Bulgaria

Year: 2023-2026

Client: SOF CONNECT

Architect: 1PAX + IPA EOOD

Partners: EGIS AVIA

Area: 110,000 m²

Capacity: 15 MPAX

Cost: €200M

This project prioritizes a seamless passenger experience through a fully centralized design. The goal is to achieve the prestigious 5-Star Label and deliver optimal service quality for passengers. The terminals will include entirely new baggage reclaim areas, a dedicated international pier, and upgraded security checkpoints, as well as modernized immigration control facilities. The terminal will also offer a variety of dining options, including bars, coffee shops, and an apron terrace.

Status: Under Construction



Commercial Tenant Handbook



1PAX developed the comprehensive Tenant Handbook for Sofia International Airport, creating a clear operational framework for all commercial and service operators. Working closely with the airport authority, the team defined procedures, security protocols, design standards, and service expectations to ensure consistency across every tenant activity. The handbook presents information in a concise and accessible format, supporting efficient daily operations and aligning all stakeholders with the airport's quality standards. Ultimately, it enhances overall coordination, elevates service delivery, and contributes to a smoother, more coherent passenger experience throughout the terminal.

First European Taxidrone Vertiport Cergy-Pontoise, France

A pioneering Advanced Air Mobility (AAM) hub supporting real-world testing led by Skyports and Groupe ADP (ground infrastructure and operations), Thales (flight operations), SITA (technology integration), and 1PAX (passenger experience design). Designed to streamline passenger flows with advanced features such as facial recognition, smart doors, and minimal wait times for short-range eVTOL flights.



Year: 2022
Client: Skyports, Groupe ADP
Area: 120 m²
Cost: 500,000 €
Status: Built



Food Hall Design, Jorge Chavez International Airport Lima, Peru



Year: 2025
Client: Largardère LTR
Partners: Altavia Travel Retail / 1PAX
Area: 1800 m²
Capacity: 37.5 million
Investment: 2.1M USD

Status: Built

Designed as a vibrant social hub, the Food Hall unfolds across five interconnected zones that encourage intuitive circulation and social interaction. The “Sazon Nation” entrance acting as a strong visual landmark through its sculptural tree-like elements. The layout offers immediate visibility of all kiosks, supporting intuitive orientation and smooth passenger flow. A 615 m² seating area provides diverse seating options to accommodate varying dwell times and passenger profiles. Five food concepts—KO Asian Kitchen, La Lucha, Las Reyes, Burger Boy, and Tori—are integrated within an efficient operational framework, supported by a shared back-of-house to ensure streamlined service.

New Stainless Steel and Glazed Facades, Bordeaux International Airport Mérignac, France

Year: 2023

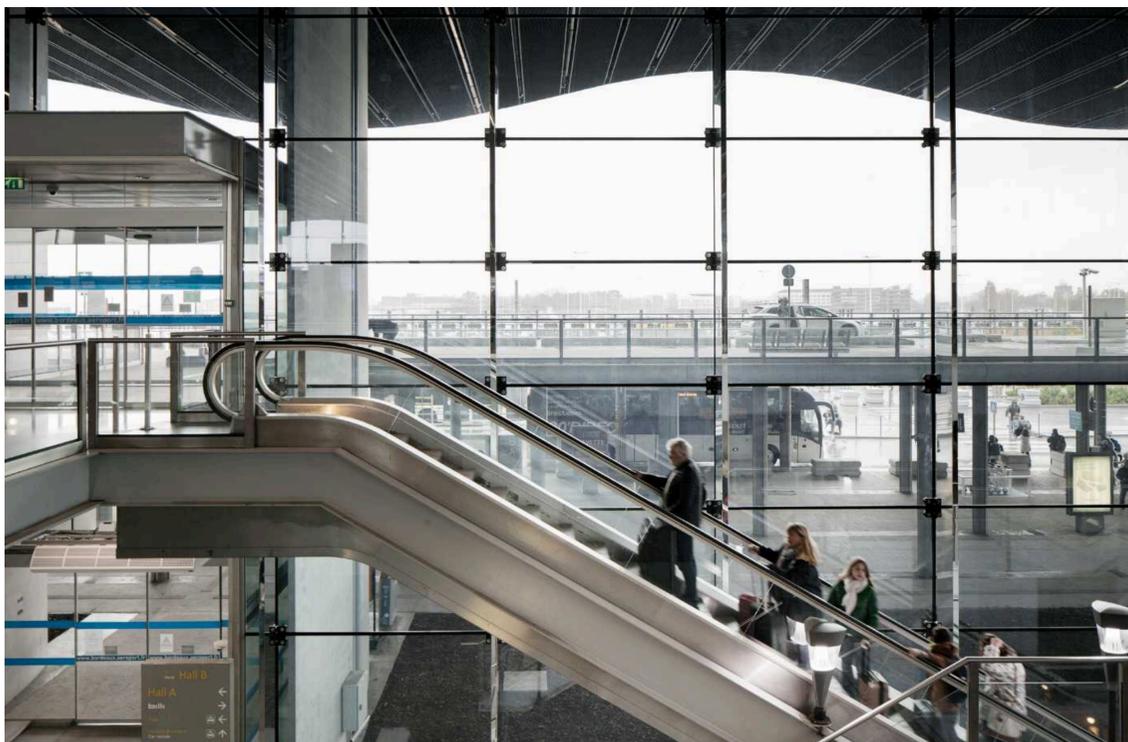
Client: Aéroport de Bordeaux Mérignac

Area: 1800 m² - Facade

Cost: 5M €

Status: Built

Hall B of Bordeaux Airport is an architectural structure designed by the renowned architect Paul Andreu. Over time, the exterior glass panels deteriorated and required replacement. To preserve the original transparent concept, we developed a new material that encased and reinforced the steel stiffeners. The complexity of the facade required experimental validation (ATEX), and the challenges associated with maintaining terminal operations during construction made this project particularly exceptional.



Pointe-à-Pitre International Airport – Terminal 1 Extension

Pointe-à-Pitre, Guadeloupe, France

This ambitious project prioritizes a seamless passenger experience through a fully centralized design. The goal is to achieve the prestigious 5-Star Label and deliver optimal service quality for passengers. The terminals will include entirely new baggage reclaim areas, a dedicated international pier, and upgraded security checkpoints, as well as modernized immigration control facilities. The terminal will also offer a variety of dining options, including bars, coffee shops, and an apron terrace.

Year: 2019-2027
Client: Aéroport de Guadeloupe Pole Caraïbes
Area: 23,600 m²
Capacity: 3M Pax
Cost: €103M

Status: Design (PRO)



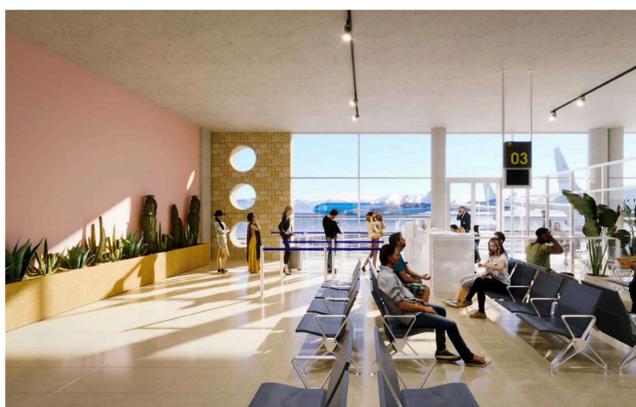
Five Airports in Cape Verde: Praia, Sal, Boavista, Sao Vicente and Maio, Cape Verde

1PAX is currently developing the design of five airports in the country, designed to accommodate both international and domestic traffic. Each of these locations features unique characteristics, such as proximity to beaches, as well as specific airspace conditions present challenges, such as issues related to instrument flight procedures and visibility. The project aims to enhance connectivity and the overall travel experience in the region. The project started with a preliminary master plan for each airport, providing expertise in capacity assessment, phasing strategies, and preliminary architectural solutions tailored to the specific needs of each platform.

Year: 2019-2025

Client: Vinci Airports

Status: Under Construction



Innovation



Scan for Ecoport Video



Scan for Cart Video



Ecoport – AAM Modular Hub Concept

Patent number 202530610079.9



Ecoport is an innovative modular concept for Advanced Air Mobility designed to redefine the modern Travel Hub. Compact, flexible, and sustainability-driven, it addresses the urgent need for environmentally responsible infrastructure adaptable to evolving societal demands. The system is built on a phased-development logic prioritizing multimodal connectivity, flow separation, efficient circulation, and vertical expansion. Each structural layer contributes to creating a compact yet highly connected node capable of serving regional and international mobility. Its adaptable architecture allows Ecoport to evolve across diverse geographies while maintaining a minimal environmental footprint.

SKYLO – Research and Analysis on the Applications of the Low Altitude economy



1PAX has developed SKYLO, a strategic research and design framework focused on unlocking the potential of the low-altitude economy. Positioned at the intersection of architecture, mobility, and systems thinking, SKYLO explores how drones and eVTOLs can evolve from isolated pilots into scalable territorial infrastructure that delivers real public value. Going beyond technology, the approach integrates regulation, spatial and environmental constraints, and social impact, with a strong focus on peri-urban and non-urban contexts. The research combines vision, technical analysis, and international case studies—especially from Europe and China—into a clear investment narrative, offering decision-makers a practical methodology to deploy aerial logistics safely, progressively, and as a long-term driver of sustainability, resilience, and regional development.

PAX - Passenger Assistant Xperience

Patent Number

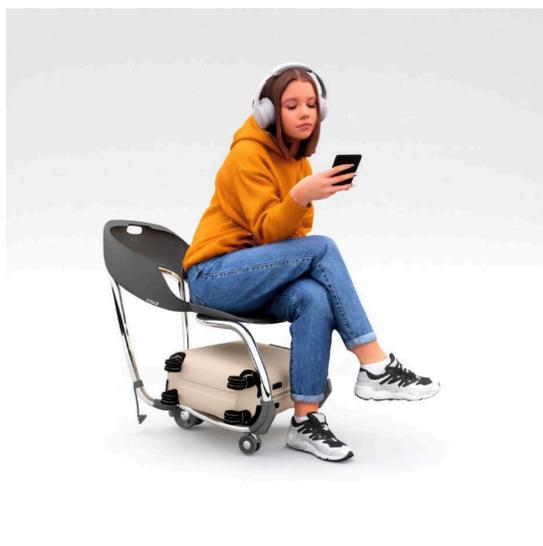
(EU) 4096986B1

(CN) 202530430900.9



PAX is a multifunctional cart designed not only to facilitate mobility within airports and other transport hubs, but also to act as an intelligent extension of the infrastructure. It goes beyond being a simple seat or cart: it is a connected and sustainable platform, fully compatible with BIM systems for seamless integration.

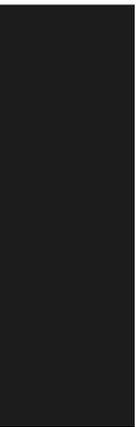
As an innovative solution, it incorporates an efficient friction-based charging system, along with geolocation and user feedback through a mobile app, as well as data-driven management and automated recycling capabilities.



Key Features:

- Multipurpose: cart, seat, and stroller
- Seamless integration with BIM systems
- Friction-based charging
- Geolocation functionality
- Service quality feedback
- Integrated Wi-Fi signage
- Data and statistics: passenger behavior tracking
- Easily stackable, saving space compared to conventional carts





COMMITMENT TO SOCIETY

Architecture and engineering must serve people, address global challenges, and help build a better future. That belief drives every 1PAX project, and we use innovation as a tool to find new solutions by thinking outside the box. Whether creating Ecoports or eVTOL hubs, we integrate sustainability, inclusivity, and human needs.

Our designs aim to:

- Reduce carbon footprint.
- Improve urban and intermodal connectivity.
- Foster equity and accessibility.

We don't just design infrastructure—we design the future of mobility.

Proud partners of

- Paris Innovation label.
- French Tech label.
- Impulse Partners Incubation.
- Association of French Architects Overseas (AFEX).
- PROAVIA association.
- MIT LAB - Beyond Smart Cities

OUR CLIENTS



1

R

Driven by sustainability, innovation, and human-centered design, 1PAX is at the forefront of transforming how people move through the world. Whether reshaping airports into multimodal green hubs, integrating eVTOLs into urban life, or reimagining the passenger journey, we create architecture that prioritizes humanity and the planet.

1PAX - Linking places and people

www.1pax.com
contact@1pax.com