



AVINOC is a consistent, integrated and permissionless base data layer for decentralized, transparent and worldwide coordination of business flights within the general aviation, to achieve optimal utilization and reduce costs significantly.



The Project

General Aviation (GA) covers the worldwide civil transportation of persons and cargo with airplanes or helicopters outside of the scope of regular charter and airline business. It can further be divided into the **Business Aviation** branch (BizAv, corporate and executive aviation business) as well as the Private Aviation branch (private flying and clubs).

Managing all the traffic in GA requires intermediaries (like brokers or platforms) functioning as a kind of communication interface between customers and operators. Such systems tend to be highly complex, laborious, time consuming and finally expensive. Direct bookings and communication between customers and operators are basically impossible.

AVINOC is a blockchain solution, that provides a basic layer for flight related data to address the main challenges and problems in GA. Every user involved in **AVINOC** possesses a local copy of all relevant data. This creates new opportunities for global, direct, permissionless and fast communication between participants involved in the complex aviation business. **AVINOC** makes all necessary information of availability of staff and equipment visible in a decentralized manner. Efforts for communication and coordination can be reduced to a minimum or, in most cases, they can be totally eliminated.



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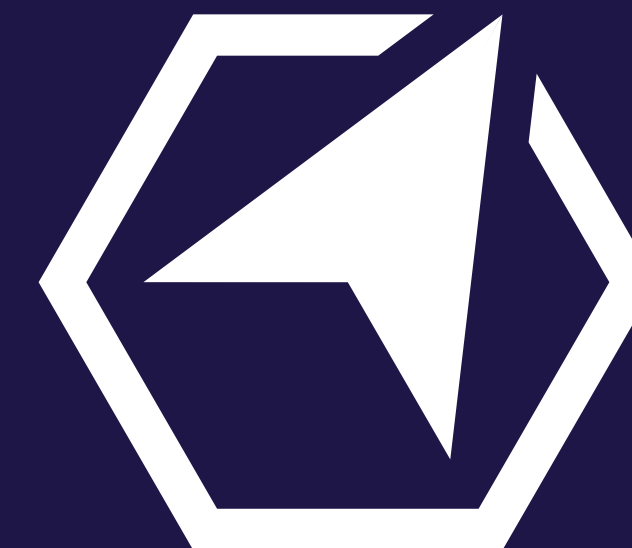
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Team

The following international team, made up of experts from the aviation business branch, business management, logistics specialists and IT-experts for developing complex IT- and blockchain-solutions, supports our ICO and further realisation of the project. Together we can rely on more than 150 years of IT and aviation experience as well as experience in blockchain technologies since 2011.

Robert Galovic, BSc. MSc.	Partner Organisation & Business Development, PPL
Karl-Heinz Mali	Partner Aviation, Middle East & India, ATPL, Instructor & Examiner
Rene Inkret	Partner Aviation, Logistics & Planning, ATPL
Mag. Gernot Winter	Partner Finance, Investments & Legal
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DI (FH) Florian Hye	Advisor Aviation & Quality Assurance, ATPL
Jakob Hohenberger	Advisor Product Development & AI
Hong Song Jie, MBA	Advisor Region Agent for China & Canada



AVINOC
Aviation Network Operation Chain

The Blockchain Solution
disrupting the global
General Aviation Business

Issue: Intermediaries

- incomplete communication
- **access restrictions** (B2B)
- lack of information, no consistent data and **low reliability** of data
- many different systems and high grade of complexity
- **more than 50%** of flights offered through brokers are **not feasible**
- high demand for **manual coordination**
- **complicated** communication structures
- extremely **time-consuming** and **high costs**

Solved with AVINOC

- + **blockchain**
- + **decentralized** and **permissionless**
- + **no intermediaries**
- + complete **automatization**
- + concentration on core business and significant reduction in administrative burdens
- + **direct booking** by customers
- + **cost reduction** up to **75%**
- + **enabler** for future technologies e.g. autonomous air taxi, drones for transportation or ground effect vehicles

Issue: Empty flights

- almost **no** consistent, reliable and up-to-date **information** regarding capacities and availabilities of aircrafts, fuel, crews and infrastructure
- insufficient predictability
- **low utilization**
- **inappropriate** customer service, many cancellations and a large number of not feasible flights
- **40% of all flights** globally are **empty**
- no improvement with current opportunities like empty-flight platforms or brokers

Solved with AVINOC

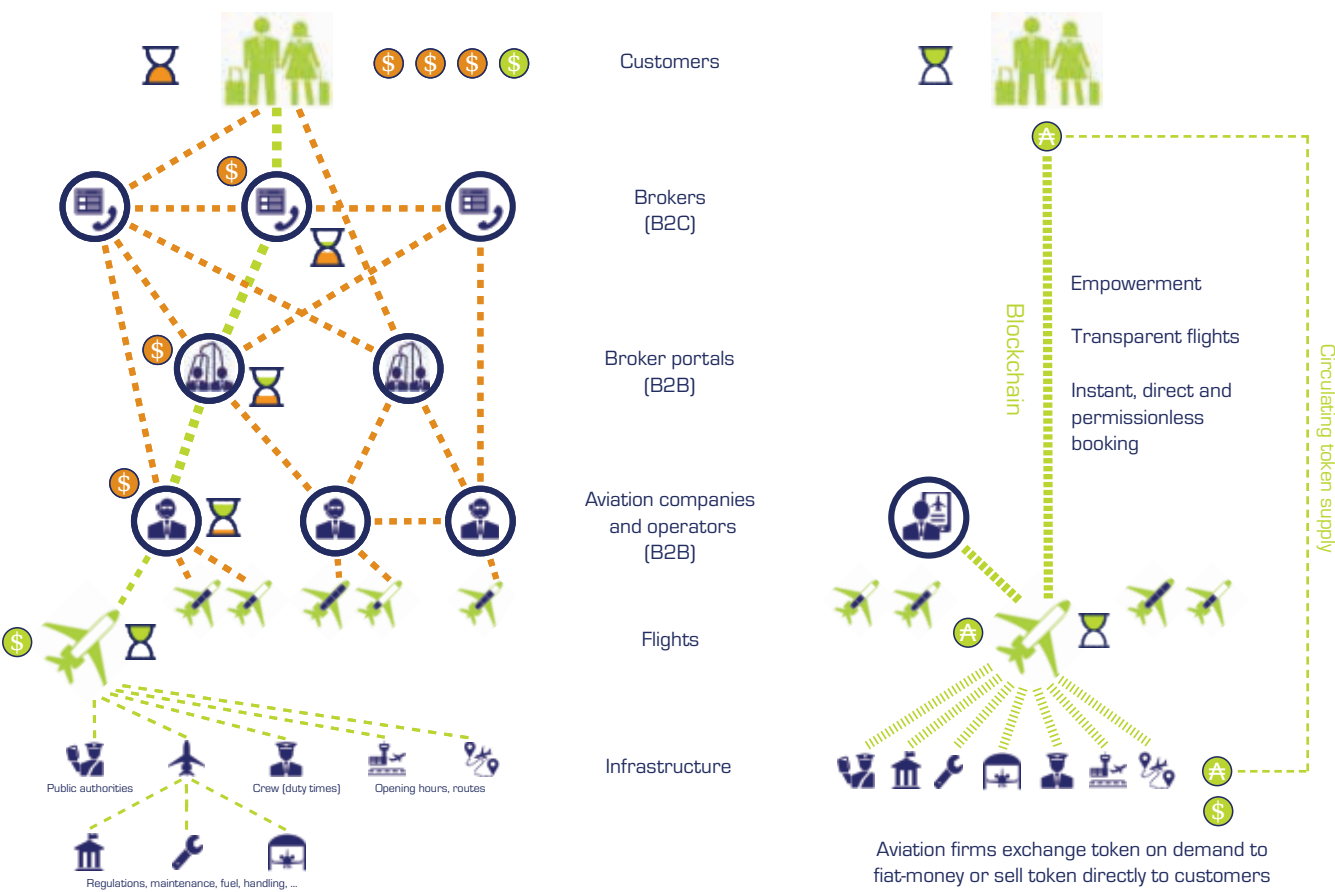
- + **blockchain**
- + **consistent, permissionless** and **integrated** base data layer
- + **decentralized** and **transparent**
- + **worldwide** coordination of all market participants
- + **optimal utilization** of crews and aircrafts, infrastructure and staff on ground
- + significant **reduction of costs**
- + **save** and **feasible flight offers**
- + **new, sustainable business models** will be enabled

Processing of orders and gathering of information needs to be done manually via e-mail, telephone and fax

Direct booking and empowerment of customers enabled by the availability of all data

Low utilization and high costs due to lack of reliable data

Optimal utilization, low cost and satisfied customers

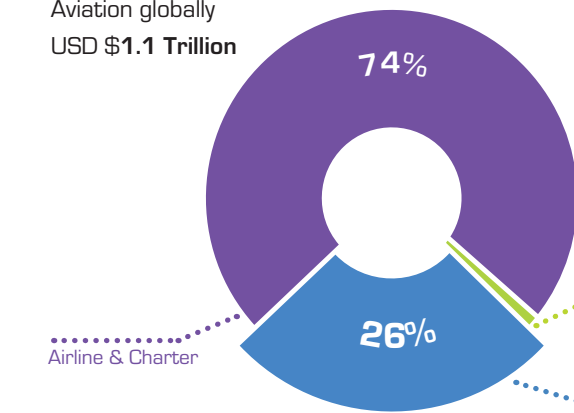


AVINOC Token and its utilization

The **AVINOC** Token is the operating resource, the "fuel" of the blockchain solution. It ensures the integrity of data. **AVINOC** Token will be used for publishing flight offers and for booking on the blockchain. Furthermore the token is used to pay for tickets, crews, fuel, airport fees, and a lot more. The token will decentrally be traded on exchanges and is globally circulating within the system. Various suppliers in the aviation industry can integrate the token into their systems and apps, maximizing the value of their solutions with **AVINOC**. After the launch of **AVINOC** and as the market grows, the utility value is continually increasing and so does potentially the value of the token itself.

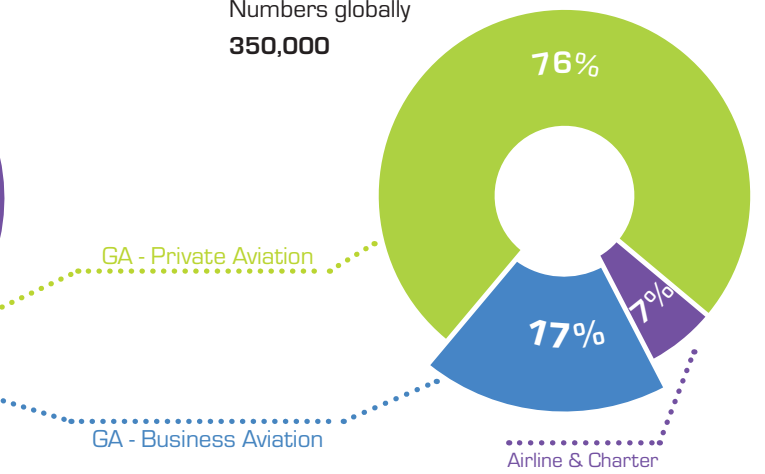
Turnover

Aviation globally
USD \$1.1 Trillion



Aircrafts

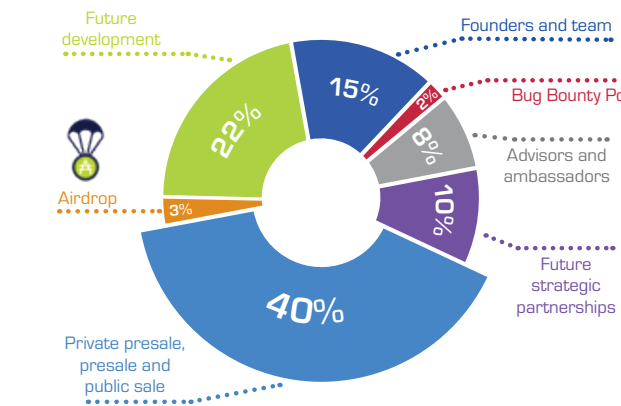
Numbers globally
350,000



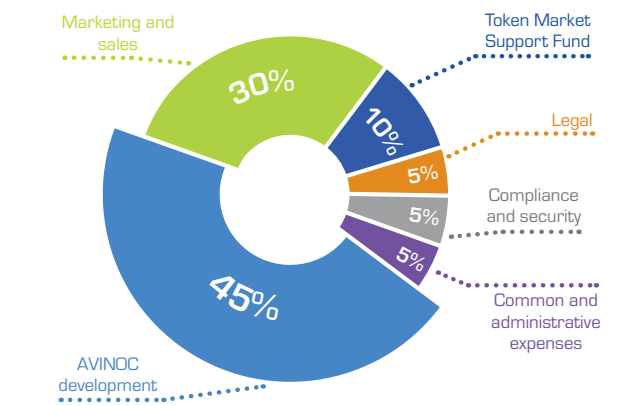
General Aviation hard facts

- USD \$286+** Billion turnover globally is generated by the GA per year, **anual growth** at **7.6%**
- USD \$114** Billion **823,000** empty flights [paid] totally per year, totalizing **40%** of all flights
- 50%** markup on average by intermediaries about **33%** of total costs by **intermediaries**

Token distribution



Distribution of funds



Initial Coin Offering hard facts

- USD \$15** Mio. * **Hard Cap**
- 1** Billion Token à USD \$0.05
- Q2 2018** Start token sale