



The Vision of the Flying Car World with Developing the eVTOL Mk-5

2023 VFS Online Workshop

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Problem

Far destinations are hard for planning and travelling



Management of schedule

Its volatility relies on length, traffic and how much you know.

The path

Consuming time, energy and vital.
not the one way, not sustainable, and you get older.

No advice

There is sometimes no guideline,
because of the rare purpose and uniqueness.

Solution

A personal air mobility : PeVTOL

Jump over congestion

Non-stop as a private helicopter with more safety low-cost.

Electric Vertical take off and landing

With speed, sustainability and great view, without runway.

On your demand

Trip from your favorite, where never know, when you want.



Product

60 miles for 30 min.

Affordable Private mobility for any city surroundings.

Safety

Multiple redundancy for more safety with 1/2 cost.

Scalable production design

Old-fashion style production and repairing much easier.



Company Introduction



Tasuku Nakai
[CEO, Founder]



Hidemi Arai
[Director]

Name : teTra aviation corp.
Established : 1st Jun. 2018
R&D in JP : Tokyo, Saitama, Fukushima
in US : California
Target : USA Experimental aircraft
Team : 16 (JP, KO, US, IN, CH)
Raised : \$ 5M

GoFly disrupter award team [2020 Feb.]

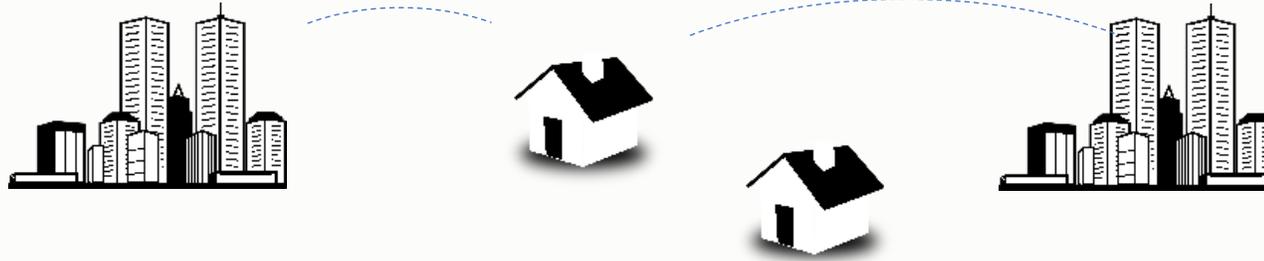


Target range

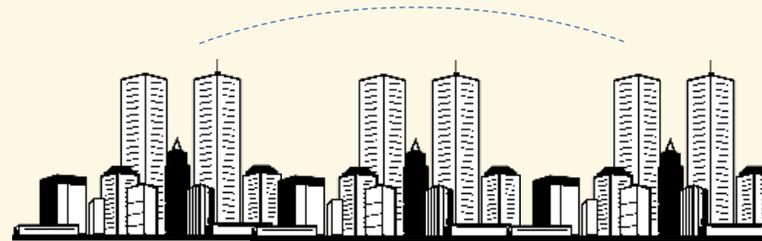
都市間
Inter Cities
200~ km



都市圏
Inter Towns
~200 km



都市内
Inner City
~30km





Market

USA

2.4 Active U.S. General Aviation and On-Demand Part 135 Aircraft by Type (2000–2018) and Forecast (2019–2028)

Year	Total Aircraft	Airplane			Rotorcraft		Balloons, Dirigibles, Gliders	Experimental	Light-Sport Aircraft		
		Piston	Turboprop	Business Jet	Piston	Turbine			Total	Experimental	Special
2018	212,885	143,040	9,925	14,596	3,082	6,907	4,114	27,531	-	3,580	2,554

JAPAN

4.4 Japan—Number of Aircraft by Type (2000–2019)

Year	Airplanes					Rotorcraft		Gliders	Airships	Total Aircraft
	Piston		Turboprop		Turbojet or Turbofan	Piston-Engine				
	Single-Engine	Multi-Engine	Single-Engine	Multi-Engine		Piston-Engine	Turbine-Engine			
2018	502	56	50	99	662	168	657	645	1	2,840

Source: Civil Aviation Bureau (航空局), www.mlit.go.jp

US Market circumstances

NEWS

US Senate supports advanced air mobility legislation

Monday March 28, 2022

Aviation associations are applauding a new U.S. legislation focused on creating policies, procedures, and programs to support future eVTOL operations in the country.



The U.S. Senate has passed legislation supporting the advanced air mobility sector, a category that includes the urban air mobility aircraft being developed by companies including Hyundai. Hyundai Motor Group Image

<https://evtol.com/news/us-senate-supports-advanced-air-mobility-legislation/?fbclid=IwAR15ANZFjX3magnYtSVv1oqf1snuvqEgX6kX1Y612E3Ug7dnFnIONeJcl>

NEWS

New bill would ban non-essential helicopter flights over New York City

This has been going on for far too long, residents say

June 16, 2022 Mary Frost



A helicopter. Photo by Don Evans

https://brooklyneagle.com/articles/2022/06/16/new-bill-would-ban-non-essential-helicopter-flights-over-new-york-city/?fbclid=IwAR1jLlv7gtp_Yd7OSJDhMKUo85BrEvpG9fDZAtT4t-_K6arUmO4TJYrqxNQ

Product Development Plan

Experimental KIT eVTOL

Personal Desire creation and Researching Data

- Conceptual flight model
- Single-seater
- Owner/purchasing only
- Factory build: JPN(Kit) -> USA(ASSY) -> Customers
- Experimental homebuilt category



Production eVTOL

Reflection from KIT as a type certified market product

- Service flight model
- Two-seater
- Owner to Service level
- Autonomous flight function
- Type design certified by FAA
- Development start from 2023-

1. Recreational



2. Industrial



3. Commercial





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Thank You

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