



AIR



WATER



EARTH

HYVEN



HYVEN

OUR FUTURE OF MOBILITY

SUSTAINABLE - ICONIC - MULTIMODAL - NOW.

Challenges & Opportunities



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CO₂ pollution caused by increasing traffic volume leads to global warming threatening mankind.



Traffic congestion within and between megacities, pollutes air quality whilst reducing business performance and economic growth.



Switching between different vehicles on one journey leads to uncomfortable, time wasting, insecure situations.



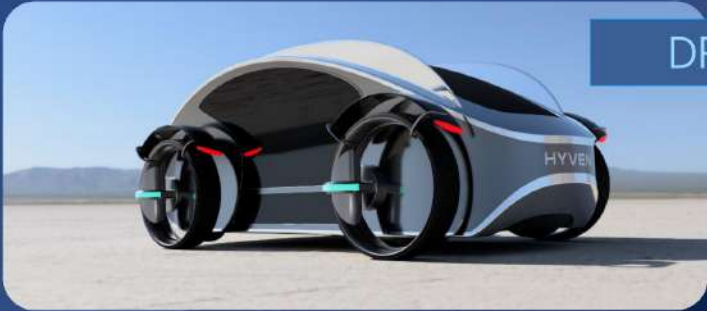
Lack of suitable infrastructure in built-up areas prevents easy access by lifesaving first responders.

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Value Proposition 1 of 3 - The worlds' smartest sustainable mobility solution



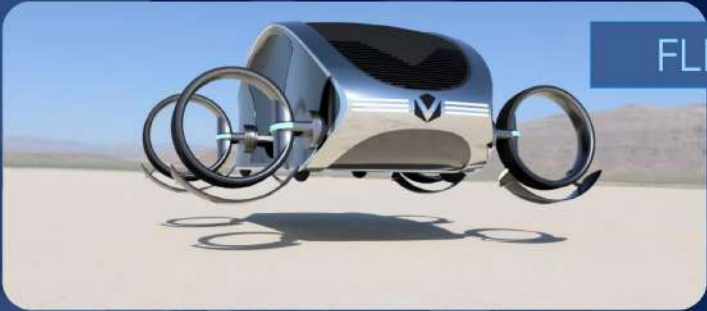
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DRIVE MODE

- > Range: 373 miles / 600 km on the road
- > Speed: 120 km/h / 74,5 miles/h

1x Swappable Hydrogen Pods for convenient and fast refueling.



FLIGHT MODE

- > Range: 600 miles / 1,100 km flying
- > Speed: 150 kts airspeed / 275km/h
- > Endurance: 4h
- > Cruising altitude: 10,000 ft / 3,048 m

6x swappable Hydrogen Pods for convenient and fast refueling.



FLOAT MODE

- > Range: 210 miles / 388 km on hydrofoils
- > Speed: 30 kts cruising speed / 275km/h
- > Endurance: 7h

1x Swappable Hydrogen Pods for convenient and fast refueling.



Value Proposition 2 of 3 - HYVEN Energy Ports - Infrastructure Innovation



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USE CASES FOR HYVEN ENERGY PORTS

Satellite Hospital Hubs



The HYVEN Energy ports provide a sustainable, clean energy-driven solution for stationary and mobile medical care centers for underdeveloped and rural Africa, where low numbers of (intensive) medical care centers are available. This has resulted in many deaths due to the lack of first responders help (e.g pregnant women have to walk for days to get medical care and for kids in general). HYVEN solves this problem.

Solar Powered Green Hydrogen Factories

This vertical is managed by our engineering partner MHP and their partners BOSCH and SIEMENS. They are experienced in the technology stack as they have already built a solar to hydrogen farm in the Emirates. We will deploy the first HYVEN ports in NEOM, DUBAI and Congo. Our brand ambassador Queen Diambi of Congo also already had a meeting with SPACE X management in LA in regards to a contract with STARLINK.

Phase Concept



1. SHORTTERM

3-D printed stationary Medical Cottages (ancient cultural clay Design) with HYVEN Energy Ports as regenerative solar power cell.



2. MIDTERM

First Responder Mobility with fuel cell driven HYVEN aircraft™ with long range capability > 400km. Medical Cottage is home port and energy source of HYVEN.

Core Benefits

1. TIME 2 MARKET
 - > FAST BUILD-UP (3D PRINT)
 - > LOW COMPLEXITY COMPARED TO CLASSIC BRICK AND MORTAR
2. GREEN SOLUTION
 - > SUSTAINABLE MATERIALS
 - > CLAY & MUD ENVIRONMENT FRIENDLY
 - > REGENERATIVE ENERGY CONCEPT
3. INEXPENSIVE
 - > LOWER COSTS THAN HOUSE-BUILDING
 - > INFRASTRUCTURE INDEPENDENT OWN POWER SUPPLY AND MOBILITY

HYVEN Ports General Benefits:

- > Portable Infrastructure
- > Robust Technology
- > Swappable Hydrogen Pods for convenient and fast refueling

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Value Proposition 3 of 3 - UAVs



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Our HYVEN fly prototypes implemented by UMLAUT (subsidiary of Accenture) will be used as UAVs in scale mode. Extraordinary market position as optional used with Hydrogen with blended wing body design for agriculture, cargo, inspection, police, first responding and defence industries.

HYVEN UAV will be a separate product line and also generate huge revenues.

Summary of Benefits of the Value Propositions



HYVEN

1. Zero emission



Zero emission hydrogen-based fuel cell drivetrain drives our additive manufactured recyclable craft

Travel emission free with your sustainable mobility platform

2. Green hydrogen



Stand-alone HYVEN Sustainable Ports producing green Hydrogen build regional infrastructure without the need of a single road

Provide appropriate life in low developed regions

3. DRIVE – SWIM - FLY



Make use of appropriate combined roadways, airways and waterways opening a new dimension in daily traveling

Avoid & relieve blocking roadways by 3D travel

4. Door2door



HYVEN takes you door-to-door in one single vehicle ensuring greater comfort, safety and privacy on the go

Make use of your daily comfort zone in a disruptive way

5. Porsche as partner



In cooperation with MHP, the German Consulting Entity of Porsche, HYVEN has an experienced partner in complex development and roll-outs

German design and engineering exported to Dubai

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Competitive Analysis



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Excerpt: VTOL vertical take-off and landing

			Can Fly	Can Drive	Can Float	VTOL vs Airport required	Zero emission vs. Combustion engine	Degree of innovation solving mobility challenge
HYVEN			✓	✓	✓	VTOL	Hydrogen	Breakthrough innovation
pal-v		AirCar	✓	✓	✗	Airport	Fossil Fuel	Incremental Innovation
Fan Craft		Jet Optera	✓	✗	✗	VTOL	Battery	Mean induced innovation
Lilium Jet		Airbus	✓	✗	✗	VTOL	Battery	Mean induced innovation
Boeing		Xpeng HAT Aero	✓	✗	✗	VTOL	Battery	Mean induced innovation
Volo-copter		Joby Aviation	✓	✗	✗	VTOL	Battery	Incremental innovation

Versatility

Sustainability

Innovation

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Business Model



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UAVs

HYVEN

Flight Training Schools

HYVEN

Financial services

HYVEN

Sustainable H2 Ports

HYVEN

Franchise Partnership

HYVEN

Special Sales / Defence

General Aviation Pilots

1st Responder
Medical Care/ Police

Defense / Military

Mobility Service Provider

Airlines

VIP Shuttle

UBER / SWVL ...

Delivery / Cargo

Short & domestic flights

1st class
shuttle service

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Underlying magic: Flex cabin design

Scalability by design due to additive manufacturing processes



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Autonomous aerial mobility solution

- No passengers
- No pilot
- Max cargo

Delivery service

Personal vehicle first responder

Shuttle service

- Max 9 passengers
- Min 1 pilot
- Limited cargo

Spacious cargo area in blended wing body

Use agriculture | fire fighting | inspection | defence | medical care

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Managing team



MBA Timo Schnoelzer

Founder | CEO

Automotive specialist and aviation enthusiast, MEP / IR pilot, QM for German ATO, Auditor for FNPT / flight sim towards German aviation authority / docent and author / networker



Sc. Ralf Kick

Senior project manager from MHP, a Porsche Company
Automotive specialist and networker, professional enabler, R&D specialist.
Develops innovative technology for nowadays use.
Research and RnD for Mercedes-Benz AG Stuttgart.



Summer Seyd

Director and Spokeswoman MENA

Aviation and Project Management specialist / international PR and networking specialist / founder and CEO of LUXURIA



MBA Heiko Schnoelzer

Senior Manager

Automotive specialist and aviation enthusiast, future of mobility OEM project lead, pilot, networker



MBA Marcus Schaefer

Senior Manager | Asia Expert

ATPL pilot / expert for aviation simulation / VTOL projects / KL record / former consultant for Volocopter and Lilium Jet / networker



Jörg Privsek

International Projects | R&D

Specialist for innovative manufacturing, multi national project expert, R&D expert

Managing team



HYVEN

FUNDING TEAM



Christian Petrasch

CO-Founder

Investor Relations Management, Networker, Aviation Enthusiast, Future orientated, Strategic consultant, Enabler



Clive Holmes

Chief Strategy Advisor | Partner

Funding partner and head of private equity group. Experienced in setting up international companies of large scale.



Christian Witte

Chief Financial Advisor | Partner

Leading tax advisor, head of various tax and finance committees

COUNTRY MANAGEMENT & STRATEGIC ADVISORY TEAM



Queen Diambi of Kongo

Chief Strategy Advisor | Director Africa

Experienced Strategy Advisor with a strong international background in various supporting fields.



Shipin

Chief Strategy Advisor | Director Australia

Investment Specialist and experienced in sustainable energy markets,

Engineering references



INEOS

CELLFORCE



AIRBUS



Dipl. Ing. (Univ.) Michael Kirchgaessner
Chief Technology Officer - external

RnD senior advisor for Automotive and Aviation engineering and industrialization. 36 years experience for international digital engineering. Master in digital transformation and company enablement.

MHP

A PORSCHE COMPANY

ACCESS to our Automotive-Engineering, -industrialization, Management-, Process-, Organization- and Digitalization Know-How.

MULTIPLY your performance in product development with Porsche quality and speed.

CREATE real innovation along the entire automotive value chain based on our experience.



DIEHL

Aircabin

ZOOX



BOEING



PREMIUM
AEROTECH



möag



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PORSCHE ENGINEERING
AND INDUSTRIALIZATION

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The Porsche network: Available for HYVEN



HYVEN



I/MHP

A PORSCHE COMPANY

*Management,
Process and Digital
Consulting*

bertrandt

*Engineering Service
Provider*

Porsche Consulting

Strategisch denken. Pragmatisch handeln.

*Management
Consulting*

Porsche Digital

*Competence Center
for Digitalization*

Porsche Engineering

driving technologies

*Engineering
Consulting*



PORSCHE DESIGN

*Design
Consulting*

"WE ARE THE PREMIUM BUSINESS AND TECHNOLOGY PARTNER, SHAPING THE FUTURE OF MOBILITY AND MANUFACTURING ALONG THE ENGINEERING VALUE CHAIN AND NETWORK."

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Production of a mobility time-piece



- Porsche engineering and manufacturing value chain best practice to be used.
- Matrix robotic approach, approved with Porsche Germany and KUKA.

HYVEN manufacturing: EXCELLENCE, EXPERIENCED, DIGITAL, WORLD-CLASS



- Product development and manufacturing approach circular economy based.
- Opex and capex value creation in NEOM and target markets.

GERMANY
Stuttgart
HYVEN Research
and Development

SAUDI ARABIA
Neom City, OXAGON.
HYVEN Smart Factory

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Traction & Support To Date

Each HYVEN product independently stands on its own merit with its own business model, ROI and USPs. HYVEN has both presale and franchise contracts in place.

HYVEN has also received tremendous support, traction and is affiliated and partnered with the world's most iconic and renowned entities, Government organisations and ambassadors, some of which include the following:



نيوم NEOM



OXAGON



UNASDG

INTERGOVERNMENTAL ORGANIZATION

FLEXFACTORY

by MHP | Munich Re | Porsche



متحف المستقبل

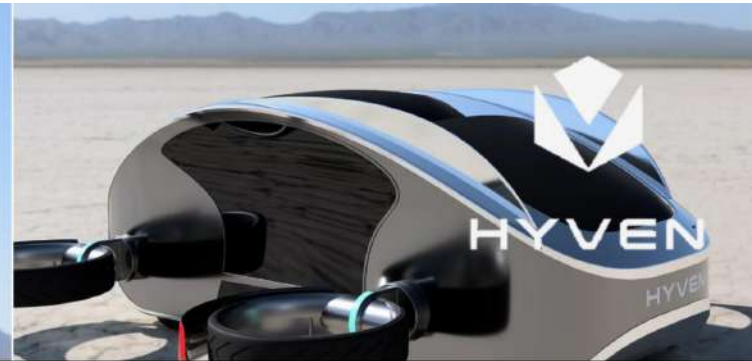
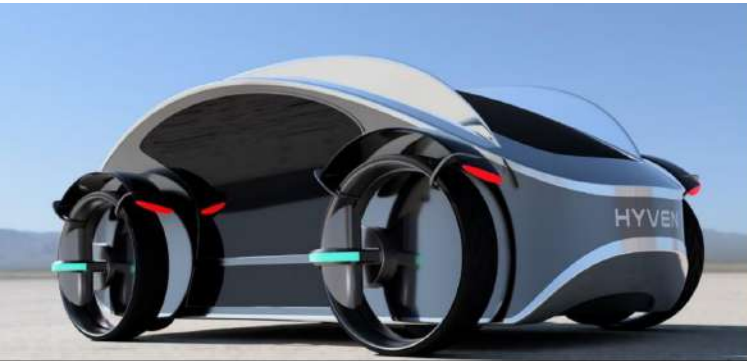
MUSEUM OF THE FUTURE



Mr Will Smith



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JOIN THE HYVEN MOVEMENT

