HoloMatic

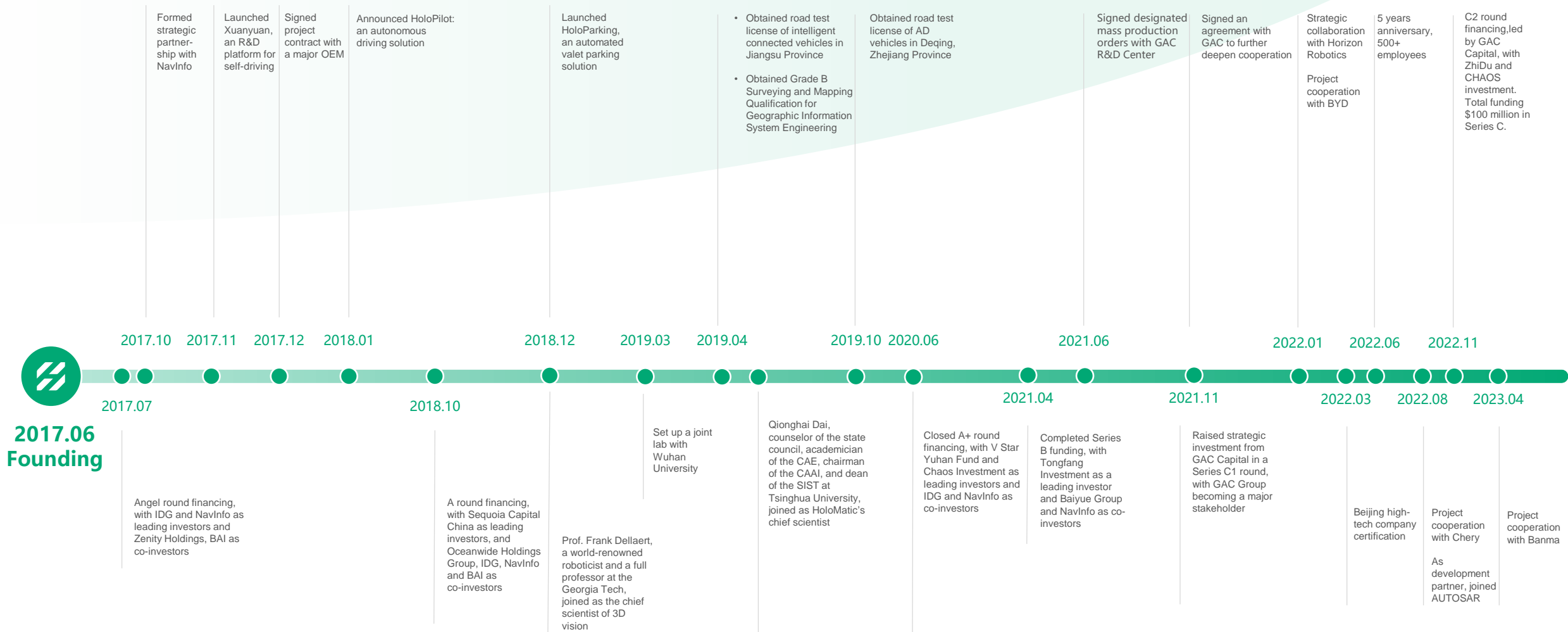*Leading company of autonomous driving for series production*

About HoloMatic

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HoloMatic is an autonomous driving company founded in June 2017. Based on cutting-edge artificial intelligence and automotive industry technologies, the company is dedicated to providing mass-producible autonomous driving solutions driven by local data.

With leading mass production capability, HoloMatic has an overall layout from AI algorithm to embedded system, from big data closed loop to system iterations. Focused on the scenarios of driving and parking, the company provides solutions targeting at series production, as an effort to achieve the universal autonomy of self-driving technologies.

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Milestones

Date	Milestone
2017.06 Founding	
2017.07	Angel round financing, with IDG and NavInfo as leading investors and Zenity Holdings, BAI as co-investors
2017.10	Formed strategic partner-ship with NavInfo
2017.11	Launched Xuanyuan, an R&D platform for self-driving
2017.12	Signed project contract with a major OEM
2018.01	Announced HoloPilot: an autonomous driving solution
2018.10	A round financing, with Sequoia Capital China as leading investors, and Oceanwide Holdings Group, IDG, NavInfo and BAI as co-investors
2018.12	Launched HoloParking, an automated valet parking solution; Prof. Frank Dellaert, a world-renowned roboticist and a full professor at the Georgia Tech, joined as the chief scientist of 3D vision
2019.03	Set up a joint lab with Wuhan University
2019.04	Qionghai Dai, counselor of the state council, academician of the CAE, chairman of the CAAI, and dean of the SIST at Tsinghua University, joined as HoloMatic's chief scientist
2019.10	• Obtained road test license of intelligent connected vehicles in Jiangsu Province • Obtained Grade B Surveying and Mapping Qualification for Geographic Information System Engineering
2020.06	Obtained road test license of AD vehicles in Deqing, Zhejiang Province
2021.04	Closed A+ round financing, with V Star Yuhan Fund and Chaos Investment as leading investors and IDG and NavInfo as co-investors
2021.06	Signed designated mass production orders with GAC R&D Center
2021.11	Completed Series B funding, with Tongfang Investment as a leading investor and Baiyue Group and NavInfo as co-investors; Raised strategic investment from GAC Capital in a Series C1 round, with GAC Group becoming a major stakeholder
2022.01	Signed an agreement with GAC to further deepen cooperation
2022.03	Strategic collaboration with Horizon Robotics; Project cooperation with BYD
2022.06	5 years anniversary, 500+ employees
2022.08	Beijing high-tech company certification
2022.11	C2 round financing, led by GAC Capital, with ZhiDu and CHAOS investment. Total funding $100 million in Series C.
2023.04	Project cooperation with Chery; As development partner, joined AUTOSAR; Project cooperation with Banma

HOLOMATIC

Investors

IDG Capital · SEQUOIA · NAVINFO 四维图新 · 泛海投资 OCEANWIDE INVESTMENT · 同方投资 TONGFANG INVESTMENT · 广汽集团 GAC GROUP

BAI Bertelsmann Asia Investments · 知合控股 ZENITY HOLDINGS · 源星资本 Vstar Capital｜源星昱瀚基金 · 混沌投资 CHAOS INVESTMENT · 百悦集团 BEAUTIFUL YEAR INVESTMENT GROUP · 广汽资本 GAC CAPITAL

A Dual Closed-loop Organizational Structure: **Innovation and Mass Production**

Innovation Closed-loop Center

Focused on platforms and innovations

Mass Production Closed-loop Center

Dedicated to mass production and delivery

Beijing

Wuhan

Guangzhou

Shanghai

Suzhou

HOLOMATIC

Provide the Ultimate Smart Driving Experience

HoloMatic highly values user experience, conducts innovative design and R&D of products, and continuously optimizes the user model and the scenario strategy. By analyzing users' real experience, the company reviews its products, finds demands, and firmly establishes the product strategy of "customer experience rules" in practice and evolution.

the Ultimate Smart Driving Experience

Customer Experience First

Integration of Driving and Parking

HoloMatic is committed to create all-scenario fully autonomous driving solutions that integrate driving and parking, enabling a complete closed loop of highway driving , urban roads and intelligent parking, and realizing universal autonomy of self-driving solutions that meet driving needs and enhance driving experience.

Integration of Software and Hardware

Based on strong technology and R&D strength, we provide a full-stack solution of domain control unit hardware, underlying infrastructure software and upper-layer application software. The hardware design is specially optimized for China's traffic scenarios, and the architecture is flexible enough to support comprehensive and rapid iterations.

Integration of Cockpit and Cabin

For the diversified application scenarios of smart cockpit, we create a third space through the joint design of hardware and software to connect the autonomous driving domain and the intelligent cockpit domain, providing a full user experience that is more reliable, more secure and more user-friendly.

Mass Application of AD Solutions | Starts From Selected Scenarios

Focused on the scenarios of driving and parking, Holomatic provides AD solutions targeting at series production, as an effort to finally achieve the goal of universal autonomy.

Structured Road

The structured roads, represented by highways, with high certainty and regularity, are more ideal scenarios where autonomous driving could happen.
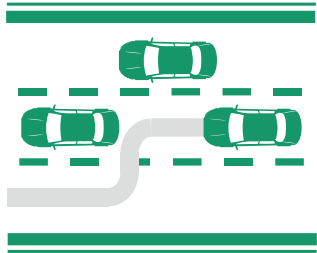
The Last Mile

The parking lot where vehicles are moving with low speed in a semi-enclosed space is also a scenario where smart parking could happen relatively quickly.

Urban

The urban roads are the most difficult places for AD systems, due to their highly complexity and uncertainty.

HOLOMATIC

Leading **Mass-producible AD Solutions**

HoloPilot
Driving

HoloMatic has started series-production projects of HoloPilot with several automotive makers. HoloPilot, our self-developed system, in support of highway autonomous driving with a maximum speed of 130km/h, is capable of vehicle following, lane keeping, traffic jam pilot, active lane change and overtaking, on/off-ramp, and highway-to-highway interchange. Moreover, HoloPilot has started extending its operational design domain to urban areas and will achieve a universal autonomy as the data accumulates.
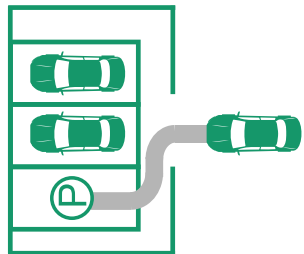
HoloParking
Parking

According to the different needs of customers, HoloParking can provide two products, HPP (Home Zone Parking Pilot) and AVP (Automated Valet Parking).

HoloParking HPP, solely depending on single-vehicle intelligence, is designed to record and learn users' repetitive route, thus realizing autonomous driving, obstacle avoidance, parking and getting out of parking spaces between fixed pick-up and drop-off points and parking spaces. HPP is especially suitable for fixed parking spaces in the residential and office areas, creating a more convenient and faster parking experience.

HoloParking AVP forms a unique "three in one" structure by integrating the vehicle, parking lot infrastructure and HD maps, to make the whole process of driver-less parking safe and reliable. It is a smart valet parking solution enables vehicles to find free spaces in the parking lot and park automatically under all weather conditions, while ensuring the safety in the mixed flow of people and vehicles. Drivers only need to hand over the vehicle at a fixed point.

⫩ HOLOMATIC

Management Team

Dr. Kai Ni
Founder&CEO

- Ph.D. degree in Computer Science, Georgia Institute of Technology; Bachelor degree in Automation and master degree in Computer Science, Tsinghua University.
- Worked with the Institute of Deep Learning at Baidu as a senior scientist, during which he set up the autonomous driving team and was in charge of the autonomous vehicle project and part of the HD Maps project.
- Worked at Microsoft in Seattle as a researcher on 3D maps and HoloLens projects.

Dr. Carl Sun
Co-Founder & Chief Strategy Officer

- Ph.D. degree at Wuhan University; Chairman of China Association for Geospatial Information Society ; Guest Professor of Wuhan University
- Deeply involved in the field of vehicles and mobility solutions, he has rich experience of engineering, commercial operation and business management as a Tier 1 supplier.
- Founded NavInfo and worked as CEO, during which he led the company to explore the IoV and autonomous driving. Under his leadership, NavInfo became a major player in China's digital mapping industry and a key supplier to the prominent OEMs, and was listed on Shenzhen Stock Exchange.

Lei Huang
Senior VP

- MBA at University of International Business and Economics; Bachelor degree at Renmin University of China
- Rich experience in the automotive industry across functions such as business sales, supply chain management, government relations and executives recruitment.
- Worked as Sales VP of West and Beijing region for Bosch (China), VP and GM of Smart EV Group Purchasing Center for Chongqing Sokon, and worked in Delphi and Flextronics.

Jingfang Jiang
Senior VP

- EMBA at Tongji-Mannheim，B.S degree in Precision Instruments at Shanghai Jiao Tong University
- With more than 20 years of hard work in the vehicles and autonomous driving industry, she has deep understanding of product services and extensive experience in development, mass production and delivery of autonomous driving engineering.
- Former Senior VP and the head of ADAS business unit in China for Bosch. Under her leadership, Bosch's ADAS business team increased from 20 to more than 500 people, and sales increased by more than 6 times. Jiang and her team released many ADAS features in China. The application of ADAS made by them has led to the development of ADAS in China.

Yankun Hou
Chief Financial Officer

- MBA at Cornell University, Bachelor degree at Fudan University
- Former UBS vice president of investment banking for Asia Pacific and managing director. Prior to UBS, he used to work at many other well-known international financial institutions, such as Nomura International and Lehman Brothers
- With nearly 20 years of experience in equity research as well as investment and financing in the automotive and machinery industries, he has an in-depth understanding of the auto industry's capital market, competitive landscape and the legal and regulatory environment and been awarded the first place in the Asian auto industry by Institutional Investors for many times.

HOLOMATIC

Team

Artificial Intelligence + Map & Localization + Automotive Engineering

others
15%

R&D
85%

80%
master's & doctoral degree
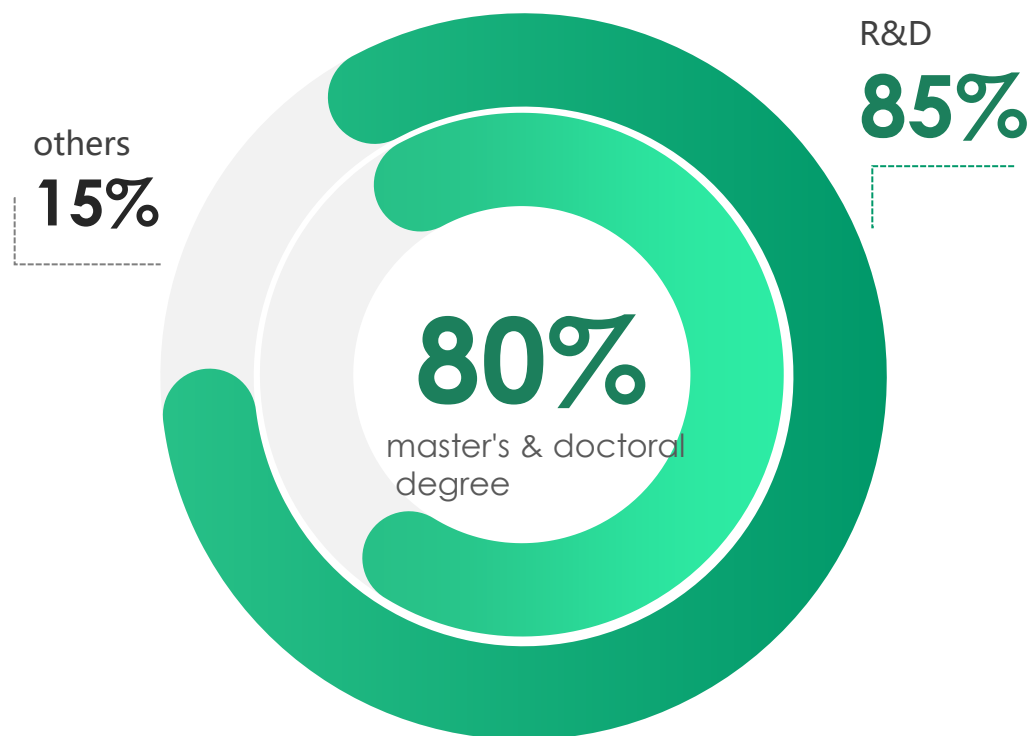
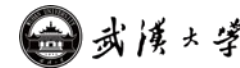# Emphasize Technologies and Prospective Researches

Intellectual Property

Patent

246 acquired, 92 in publicity, 86% are core patents, with an expected annual growth of 120

Software Copyright 155

Registered Trademark 150

Work with the Academia

清華大学 Tsinghua University   武漢大学   Berkeley UNIVERSITY OF CALIFORNIA   Georgia Tech   Carnegie Mellon University

Qionghai Dai Chief Scientist of HoloMatic
Academician of the Chinese Academy of Engineering;
Dean of the School of Information Science and Technology,
Tsinghua University; Chairman of the Chinese Association
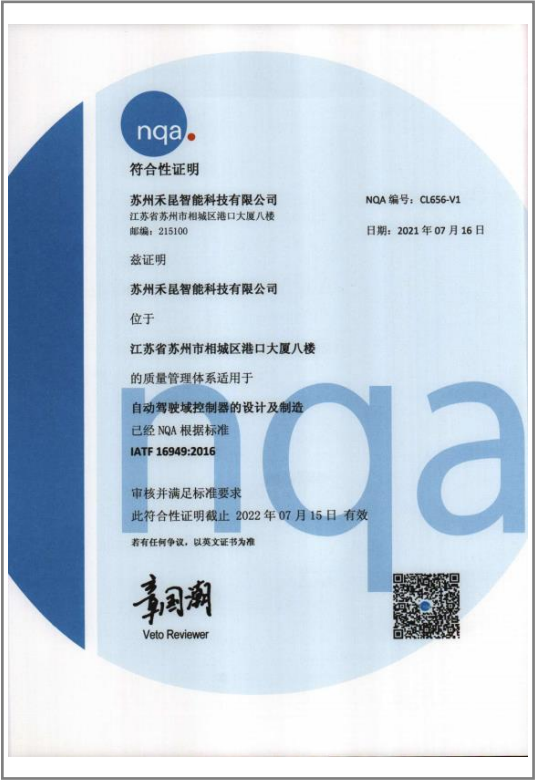for Artificial Intelligence

Frank Dellaert   Chief scientist of 3D vision at HoloMatic
Full professor at the Georgia Institute of Technology

Licenses and Awards

ASPICE CL2 Certification
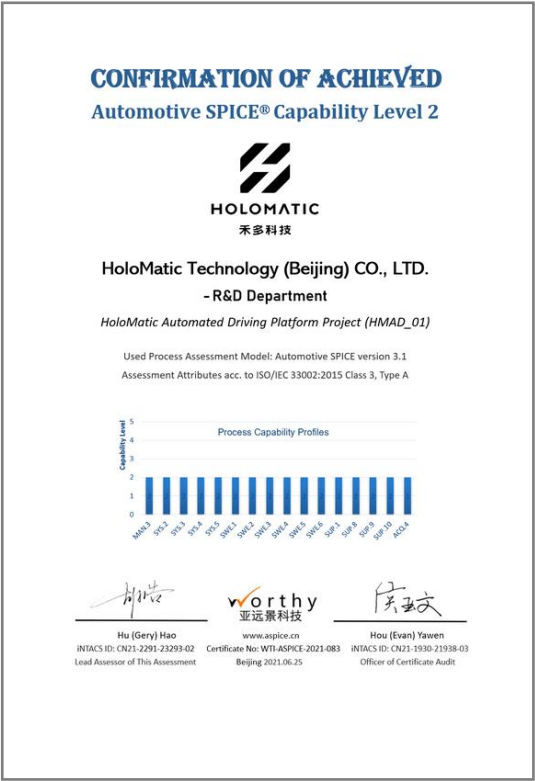
IATF 16949 Certification

ISO26262 ASIL D Certification

Qualification Certificate

Grade B Surveying and Mapping Qualification for Geographic Information System Engineering
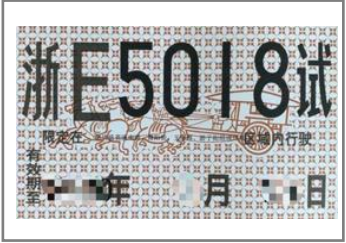

Beijing New Technology and New Product (Service) Certificate

Road Test License of AD Vehicles

Road test license of intelligent connected vehicles in Jiangsu Province

Obtained road test license of AD vehicles in Deqing, Zhejiang Province

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THANK
YOU

A Bit Further Always

www.holomatic.com