Alchip Milestone

2004
- Alchip was established as a wholly owned subsidiary of the Taiwan Semi-conductor Manufacturing Corporation (TSMC) in the Cayman Islands.
- The subsidiary was established in Japan.
- Alchip’s Design Center was established in Beijing.
- Design win on 130nm HDTV SoC for Japanese company.
- Gained the No. 1 in the Japanese SoC for vehicle market.
- Alchip won the “China’s 10 Best Design House” Award by Electronic Times.
- Alchip was elected to one of Japan’s big firm.

2005
- Alchip established a sales center in Hefei, China.
- Alchip established a sales center in Seoul, Korea.
- Alchip completed the shipment of 55nm design cases exceeded 10 million units.

2006
- Alchip established a sales center in Guangzhou, China.
- Alchip successfully reached 2.5 million units of shipment.
- Alchip was positioned as one of TSMC’s global design partners of a special honor to become SONY’s "Green Partner".
- SONY’s "Low Power" SoC for tier-one Japanese companies.

2007
- The company was established in the United States.
- "Alchip’s Most Reliable Design Partner" Award by Taiwan Stock Exchange.
- The subsidiary incorporated in the U.S.

2008
- The subsidiary was established in the Maldives.
- The subsidiary was incorporated in the BVI.
- Completed the 7nm design cases.
- Completed the 16nm design cases.

2009
- Alchip was elected to one of Japan’s big firm.
- "Alchip's Taiwan 1st 28nm Bitcoin mining SoC 1st Miners for World-wide OBM company.

2010
- The monthly production reached 2.3B.
- Design win on 130nm HDTV SoC for Japanese company.
- The monthly shipment reached 2.6B.

2011
- Alchip's 1st 10nm Design was established on i dec.
- The subsidiary was incorporated in the BVI.
- The monthly shipment reached 2.5B.
- "Alchip's Taiwan 1st 28nm Bitcoin mining SoC 1st Miners for World-wide OBM company.

2012
- Design win on 130nm HDTV SoC for Japanese company.
- Design win on 130nm HDTV SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.

2013
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.

2014
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.

2015
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.

2016
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.

2017
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.

2018
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.

2019
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.
- Design win on 16nm image sensor SoC for Japanese company.

Alchip Design Process Technology

Foundry
- TSMC VCA Member

Packaging
- "Taiwan IP Alliance Members"

Testing
- "Industrial Technology Research Institute"
Alchip 7nm ASIC chips has been successfully taped out.

Taipei, Taiwan, March 30th, 2019 — With the maturity of 7nm process and the high demand of HPC/AI chips market in the advanced process technology, Alchip Technologies Ltd. (TWSE: 3961) has won a few large orders from customers in Japan, China, Europe, and America. As a global leader in ASIC design service with advanced process technology, Alchip has successfully taped out its 7nm ASIC chips, prototyped, and began the volume production.

As a leading fabless ASIC company, Alchip has successfully developed ASIC/SoC in AI and HPC application. With the remarkable records, it had completed many design projects on high performance computing with high complexity in the past few years. AI is becoming the major driver for innovation in this generation. According to AIDC Market Research, the global AI market is expected to grow at a CAGR of 45.4% and reach near US$1,185 million by 2025. Alchip is optimistic about its growth in the near future. With excellent chip design technologies and manufacturing solutions, Alchip will strive to the opportunities and build great achievements in the HPC/AI chip market with the latest process technology.

“The development of 7nm technology is now approaching maturity and is in the mass production,” said Johnny Shen, President & CEO of Alchip. “Currently there are not many ASIC manufacturers who have capability to own the 7nm technology skills. Alchip is proud to provide our customers the outstanding customized ASIC design services and production solutions. We support customers to achieve designed chips with high performance and low-power consumption, and represent as the dominance in the advanced technology of AI, HPC and Cryptocurrency field. We will continue as an ASIC hunter in HPC/AI market, and have more 7nm design projects in the future quarters.”

Alchip OFFERS

SoC Design Solutions

Total solution, spanning from design-through-to mass production, to enable our customers to succeed in today’s increasingly competitive market. We also hold all of the industry’s first track records for delivering results in advanced technology processes.

- Low Power
- High Performance
- Cost Benefits
- Design-for-Test
- Design-for-Yield

Production Solutions

Alchip’s production solutions offer the fastest path from workable silicon to mass production. Not only do we own ASIC professionals shortens run period for fast production turn-up, our strong logistics team also enables on-time product delivery through well-planned production flow and dedicated support from our strong supply chain alliances.

- Prototype
- Production
- Packaging
- Test & Assembly
- Continuous Yield Improvement

IP Solutions

Alchip Technologies Enterin Jinan State High-tech Industry Development Zone

Alchip’s big step again in its global expansion

MPW Service

Alchip offers a regular shuttle service for all customers to visit their tapeout sites and cost to verify their designs. This smart solution will make possible to get the functional validation and process compatibility of a variety of IP blocks.

MPW
- Service
- MPW Core Hardening
- Integration & Qualification

Taipei, Taiwan, November 16, 2018 - Alchip Technologies Ltd. (TWSE: 3961), a leading fabless ASIC company, has been aggressively expanding its global business recently. In addition to its China branch in Shanghai, Wu & Hsin and Hsinchu, Alchip is also expanding in Japan and adds another subsidiary in Japan, Jinan. For the future operation scope, this global leading company will not only keep the dedication and efforts for its China market, but it will also develop to advanced process design technology with superior solutions to the customers. The market in the Northeast Asian economic area and Bohai Economic Rim, Jinan is represented a big city within the economic zone in the east coast of China. Alchip and Shanghai and Shenzhen are the major cities in China High-tech Zone that industries such as cloud computing, big data, IoT, Information security, IC design (integrated circuit design), software application and other related industries. For the current era of big data, there are many new ventures will enter to Japan, Jinan, China and plan to establish a branch for R&D for the win-win future,” said Johnny Shen, President & CEO of Alchip.

Alchip’s Supercomputer Solution is world-renowned

High Performance Core
- Arm Core Hardening
- MPW
- Design verification
- Synthesis

HPC/AI
- 3D/2D Proven Track Records
- Continuous Yield Improvement
- Leading Edge Technologies

Consumer
- Concept
- Architecture Design
- RTL Design
- Synthesis

Niche
- Fiber Optics
- Physical Synthesis
- Debug/Design
- Place & Route
- Timing Optimization
- Electromagnetic
- Verification

MPW Service
- LED
- Fabrication
- Assured/Package
- Testing
- Protootyping
- Production QA
- System Testing
- Production
- Continuous Yield Improvement

Alchip TOTAL SOLUTIONS

No.1 Choice for tier-1 System Companies Cost Effective SoC/ASIC Solutions

- 350+ Proven Track Records
- Continuous Yield Improvement
- Fastest Time to Market
- Broad Range of Applications

Taipei, Taiwan, May 1, 2018 - Along with the mature development of artificial technology, cloud service and virtual reality, market demands for HPC application are set to rise. Alchip Technologies Ltd. (TWSE: 3961), a leading fabless ASIC company, has completed a number of HPC SoC solutions at 10nmFinFET. Alchip has not only delivered outstanding results for customers but also achieved significant breakthroughs within HPC field.

HPC has been a dominant topic lately. Its numerous applications and concepts have emerged throughout the market, from supercomputers in the early stage to business application nowadays which include servers, data centers and cloud equipment, moreover, HPC has taken an important part in applications of big data and artificial intelligence, despite there are several challenges bringing HPC and AI together, combining them is only a matter of time. According to TSMC, AI could be a dominant topic in the era of big data, there are many new emerging technologies such as cloud computing, big data, IoT, Information security, IC design (integrated circuit design), software application and other related industries. For the current era of big data, there are many new ventures will enter to Japan, Jinan, China and plan to establish a branch for R&D for the win-win future,” said Johnny Shen, President & CEO of Alchip.

Taipei - Hsinchu | Shanghai | Santa Clara | Tokyo | Yokohama | Beijing | Hefei | Wu & Hsin | Hsinchu | Wuxi | Beijing
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