



CORE TECHNOLOGY



BUSINESS SCOPE

CONTENTS



FURTHER APPLICATION

01 YAGUANG TECHNOLOGY GROUP



Company Name:

YAGUANG Technology Group Company Limited Business Scope:

Research and Development, Manufacturing, Sales and After-sales Service of Military Electronics and Vessels Registered Capital:

One(1) Billion RMB

Website: www.ygkjgroup.com

Production Bases:

- Changsha Head Office
- Chendu Microwave Electronic Production Base
- Zhuhai Smart Yacht Park
- Yiyang Zhonghai Manufacturing Shipyard







YaGuang Group

The backbone of the former Ministry of Electronics Industry; One of the first two semi-conductor companies in China; Shares the same status with CEC. The first batch of backbone enterprises to develop and produce microwave chips, circuits and devices;

Dozens of products in exclusive supply position

The first domestic listed private vessel company Ranks the first in terms of the number of patents for ships The first smart yacht production line in China The first small boat mobilization center The first specialized technical center for yachts The first postdoctoral workstation for yachts The first yacht industry design center Two major businesses: military electronics and smart vessels

Two platforms: microwave electronic Two major segments: military products, civilian products (boats and electronics)

Four bases in three cities: Hunan, Guangdong and Chengdu

Three application areas: aerospace, aviation, and marine

AAA credit rating enterprise

Four certificates of military production Four production bases

Five national military standard production lines (microwave PIN diodes, crystal transistors, microwave circuits, microwave control circuits, microwave hybrid integrated circuits) Five standardized boat production lines



YaGuang Group







Chengdu Microwave Electronics Park

Address:

No. 66, Donghong Road, Chenghua District, Chengdu Products:

Production of various types of chip semiconductors, components, modules, assemblies and microsystems used for signal transceiving and transmitting for naval, ground, starboard, airborne and missile-launched platforms, providing support for aerospace, aviation, weapons and naval engineering.



YaGuang Group





Zhuhai Base

01



Changsha Group R&D Headquarters Address: Lugu High-tech Industrial Park, Changsha Products: Intelligent boats and electronic products modules, micro systems, small whole machines



Aerospace Science and Industry, CEC, China Arms and other units for many times.

Sichuan Best Benefit Top 20, Sichuan Top Three Largest Scale, Excellent Security Product, Chengdu Military-Civilian Integration Enterprise, President's Special Award, Local Famous Product, Sichuan Key Technology Innovation Project, Contract-keeping and Credit Enterprise, Excellent



Enterprise Honors





Production







Chengdu Yaguang electronic module micro-assembly line has more than 3000 square meters of clean and dust-free 3D assembly line

The first domestic 4S experience showroom: accepting reservations, test drives, after-sales service, maintenance and other corresponding services.













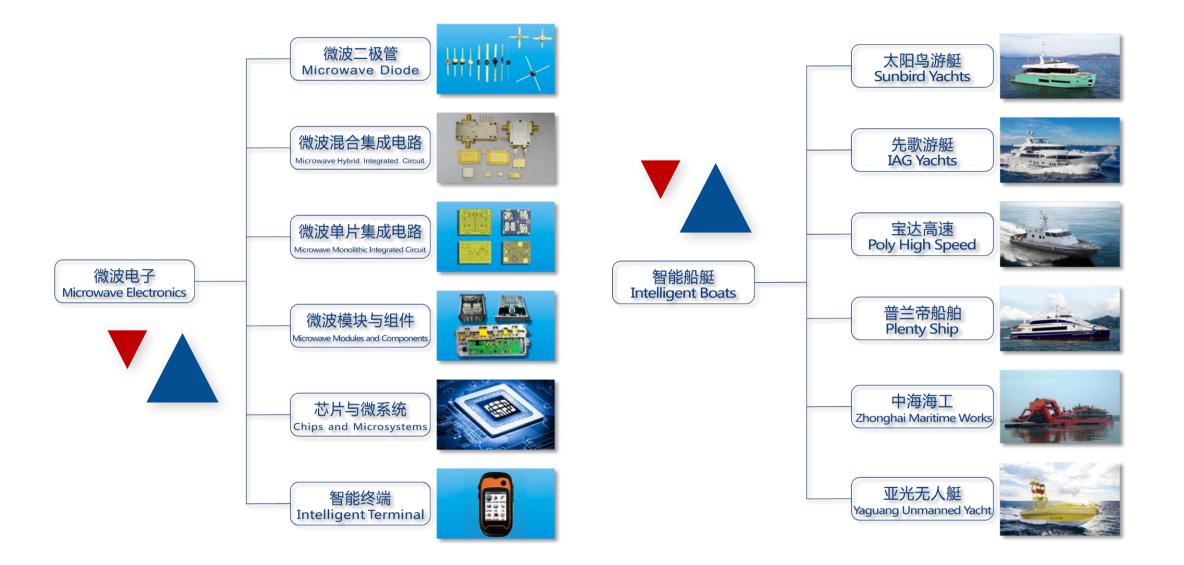
Hunan yacht modular Construction of assembly line workshop

The first production line of variable batch, large scale and modular boats in China

Workshops for customizing in Zhuhai



Product and





CORE TECHNOLOGY

Core Technology

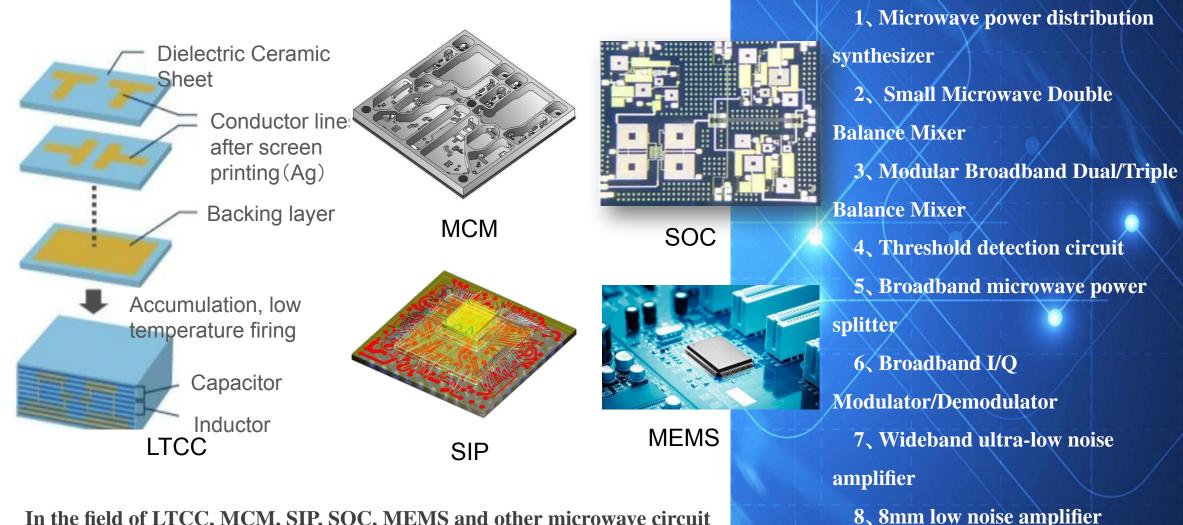
02

Microwave Electronics

Research projects of the type

spectrum series

9, Analog phase shifter

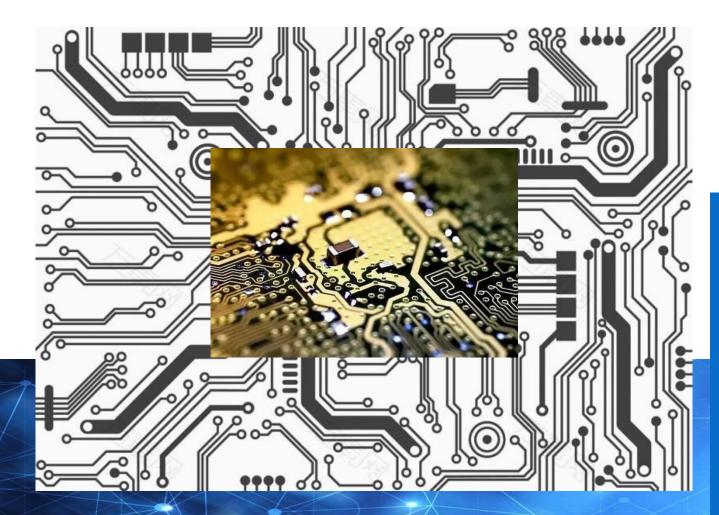


In the field of LTCC, MCM, SIP, SOC, MEMS and other microwave circuit frontier technologies, we have made certain achievements, and have always been at the forefront of the domestic military RF microwave industry.

Core Technology

02

Microwave Electronics



Semiconductor design technology, microwave hybrid integrated circuit design technology, microwave monolithic integrated circuit design technology, micro-assembly technology, interconnection conversion technology, test technology, environmental test technology as the core technology system

The products cover frequencies from tens of MHz to 100 GHz, achieving full frequency coverage, product coverage, and application platform coverage, and have undertaken many national key strategic and tactical engineering projects, military electronic components research and production tasks for weapons and equipment. The company has provided thousands of products for manned spacecraft, early-warning aircraft, China's divine shield, J-20 warplanes, East Wind series missiles, super cruise missiles, Beidou satellites and national network stars, and other major weapons and equipment projects.

Core Technology

02

Microwave Electronics

1 Taking 5G/6G RF front-end chips and optical communication chips as a breakthrough to accelerate the expansion of civil chip design services

2 Successful development of millimeter wave communication power amplifier chip for 5G communication in 2017 and small volume production of GaN power amplifier

3 2019 newly developed L/C/X-band frequency conversion series sets
and S/C/X-band GaN T/R and other sets have been mass-produced
4 YaGuang is the main production of China's military microwave
circuit fixed-point manufacturers

5 Provide independent and controllable products for aerospace









Strong design team: we can design superyachts, medium and large yachts, super speed boats, special boats, business boats, new energy boats, unmanned boats, engineering boats; team of aluminum alloy boats, composite boats, metal boats. Familiar with CCS, Rina, CE, BV and other certification norms, we can provide system intelligent boat system integration solutions.





Vessels



4 Filter and the

外观设计专利证书

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The company has 300 patents and is the first post-doctoral workstation in the industry with the largest number of patents in the domestic counterparts in terms of intellectual property layout.

1 Industry-university research on the development of new composite boats.

2 Strategic-medium-sized boat vibration and noise reduction and motion mapping research

3 Ministry of Industry and Information Technology - 185ft large catamaran luxury yacht design and construction technology

4 Large-scale green key technology research and development

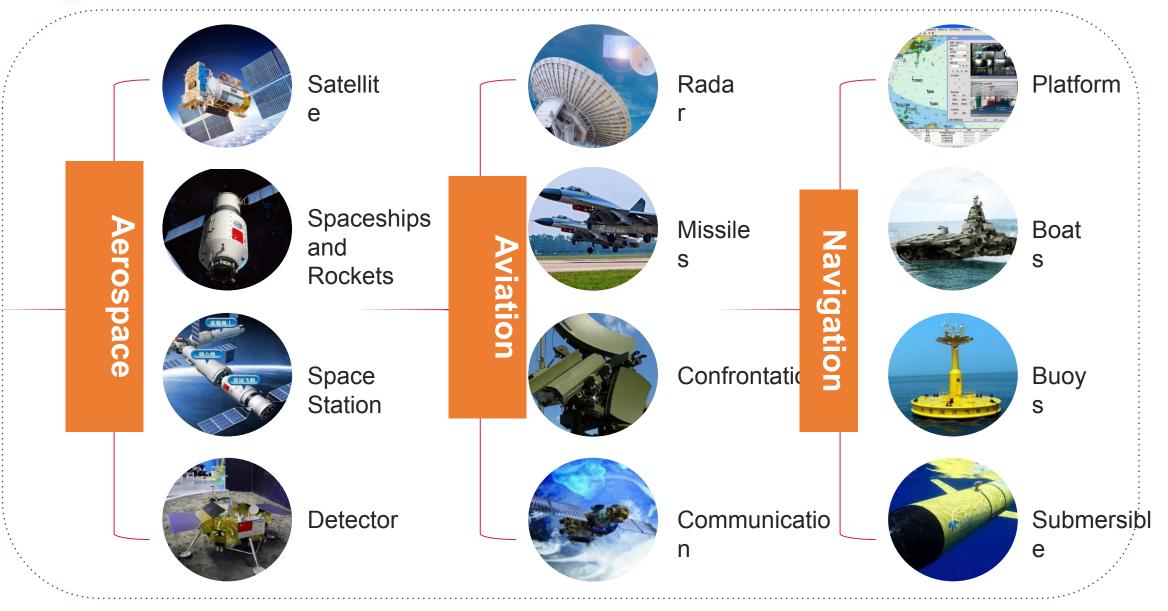
5 55kn ultra-high speed patrol boat research and development

6 Unmanned boat design and application

BUSINESS SCOPE



Service Coverage





Business Partner



Microwave Electronics

Image Radar

Power divider, mixer, filter, coupler,

attenuator, phase shifter, switch,



03





low amplifier, limiting noise amplifier, detection module, synthesis components, frequency microwave security gate millimeter components, wave multi-channel receiver, detection components, diode, triode, etc.







Meteorologica I Radar



Microwave Electronics

Guidance Radar

Power divider, mixer, coupler,

filter, attenuator, limiter, phase shifter, switch, high-power switch, limiter, amplifier, high-power PL-1 detection module, switching filter 无线电射导空空导弹 assembly, frequency synthesis **Missile Load** assembly, receiving front-end, low-noise limiting amplifier multi-channel assembly, frequency conversion assembly, multi-function module, multi-channel millimeter-wave transceiver assembly, Ground Onboard Airborne millimeter-wave amplifier, diode, Fire Control transistor. Radar



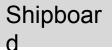
Microwave Electronics



Ground



Airborne



Alarm
Warning
RadarPower divider, mixer, coupler, filter, attenuator, limiter, phase shifter, switch, high power switch, high powerImiter, amplifier, detection module, delay line assembly, frequency synthesis assembly, multi-channel
transceiver assembly, amplifier module, receiver front-end, limiting low noise amplifier assembly,
multi-channel frequency conversion assembly, multi-function module, T/R assembly, full-array drive stage
assembly, sub-array drive stage assembly, diode, Triode, etc.



Vachts and Super Yachts:
We are the China very first listed yacht company. After we bought IAG Yachts, we are able to provide yachts from
14feet to 70feet and superyachts that
are over 100 feets. We have saled
132feet and 112 feet superyachts to the
United States, Europe and Dubai.

03

Vessels



Including transportation boats,
tour boats, law enforcement
boats and other types of vessels.
FRP, steel, aluminum alloy and
other different materials shall be
used to construct the vessels.
I Major Achievements
More than 200 patents for work

boats

03

Vessels



New energy boats

The most technologically advanced and the most widely used in China. At present, we have achieved good results in safety and endurance.

Main power form:
Lithium iron phosphate battery
Supercapacitor
Hybrid power
Natural gas
Hydrogen power

Business Scope

Vessels



We provided about 2000 boats for the armed police, China Customs, maritime surveillance department, public security, border defense, fire fighting department, port and navigation administrative department, water administration depart, fishery administration and other departments. **Main Performance** High Speed - up to 70 knots **Outstanding Sea-keeping Customization according to**

requirement

Business Scope

Vessels



In the area of designing and building aluminium vessels, we have one of the most outstanding teams in China. We have delivered more than thirty-five(35) Aluminium vessels with the operating puposes of transpotring passengers, vehicles and goods in world wide, among which CC447(Zanzibar 2) was awarded as "World Best Medium Ferry in 2020"

We currently have three(3) alumium patrol vessels under construction, and they are estimated to be delivered to Hong Kong Government in July, 2022.

Business Scope

自主艇 001

Vessels

I YaGuang Unmanned Boat

Our unmanned boat has been provided to many companies and departments, and it won the first place in the China Naval Sample Boat Competition. We are pround to announce that we are the very first domestic private company which can apply unmanned boat technology to the yachts.

I Application areas

Environmental monitoring, sampling, nuclear radiation, ecological surveys, water meteorology, flow rate and flow, hydrographic mapping, emergency rescue, marine, military, other and personal (fish exploration, recreation, water aerial photography, etc.)

03

Vessels



Chonghai Engineering vessels:
Most of the engineering, tugboats
and rescue vessels in the Yangtze
River waterway were built in
Zhonghai Base.
Main Products
Dredger
Tug boats

Engineering Vessels

Operation and Maintenance Vessel

04 Further Application

Further Application

04

Integrated Satellite Interconnection Platform to connect Outter Space and Earth

e

Further Application

🔜 eHigh-2000 - 电子海图显示与信息系统

04



Smart Maritime Intelligent Management Platform Intelligent Driving System

1, Vessel positioning

2, Working condition monitoring

3, Alarm monitoring

4, Basic information of vessel

5, Liquid leveler

6, CCTV Monitor



Thank you !