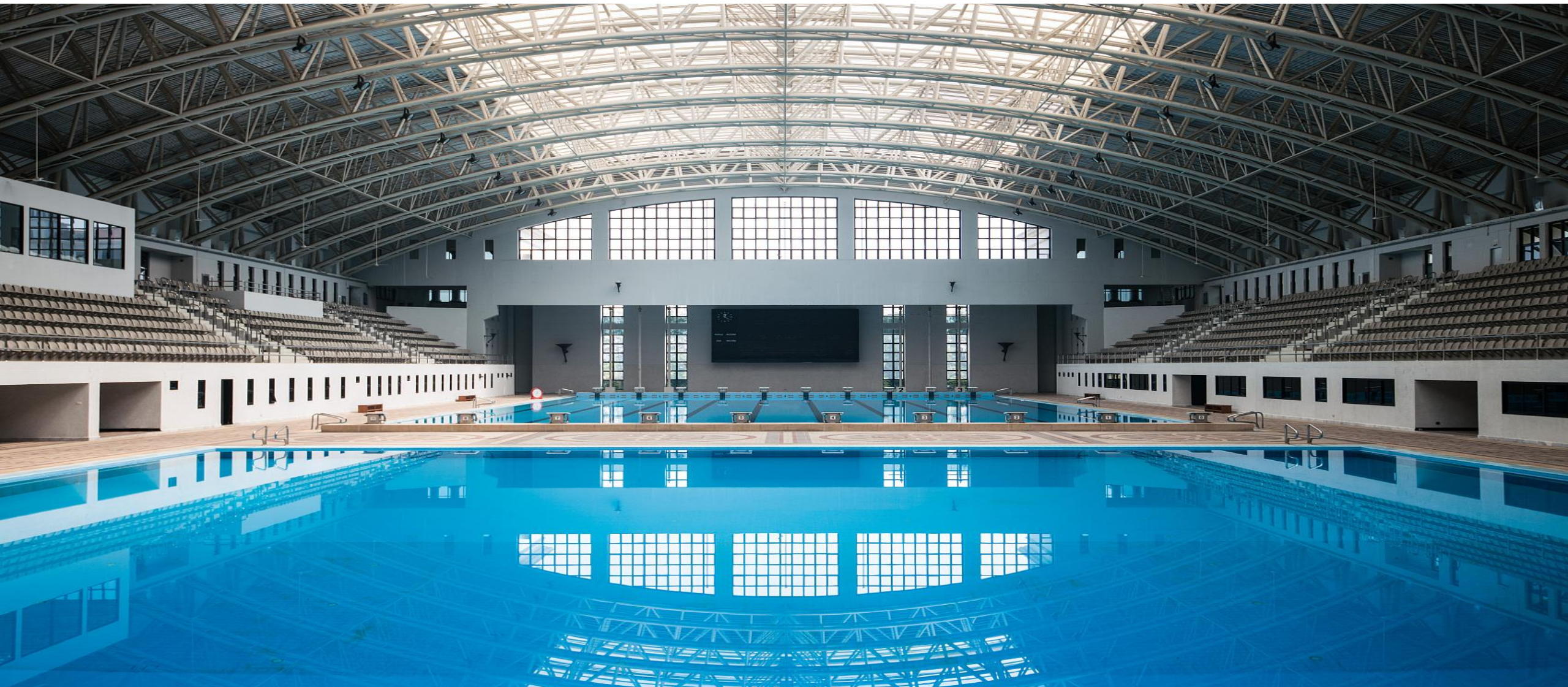




Yinghui Prefabricated intelligent (competition) swimming pool





1、Yinghui Introduction

- **Guangdong Lokang Sports Technology Co.,Ltd** was established in 2010. It is a high-tech enterprise focus on designing, producing and selling sports facilities. Construction of Drowning Prevention Safety System, Modular Smart Natatorium, Modular Smart Swimming Pool. The company's "Yinghui" brand is well-known all over the world, and its products are exported to more than 100 countries.



Headquarter in Shunde



Hong Kong Branch



Beijing R&D Center



Factory in China





Factory in Malaysia





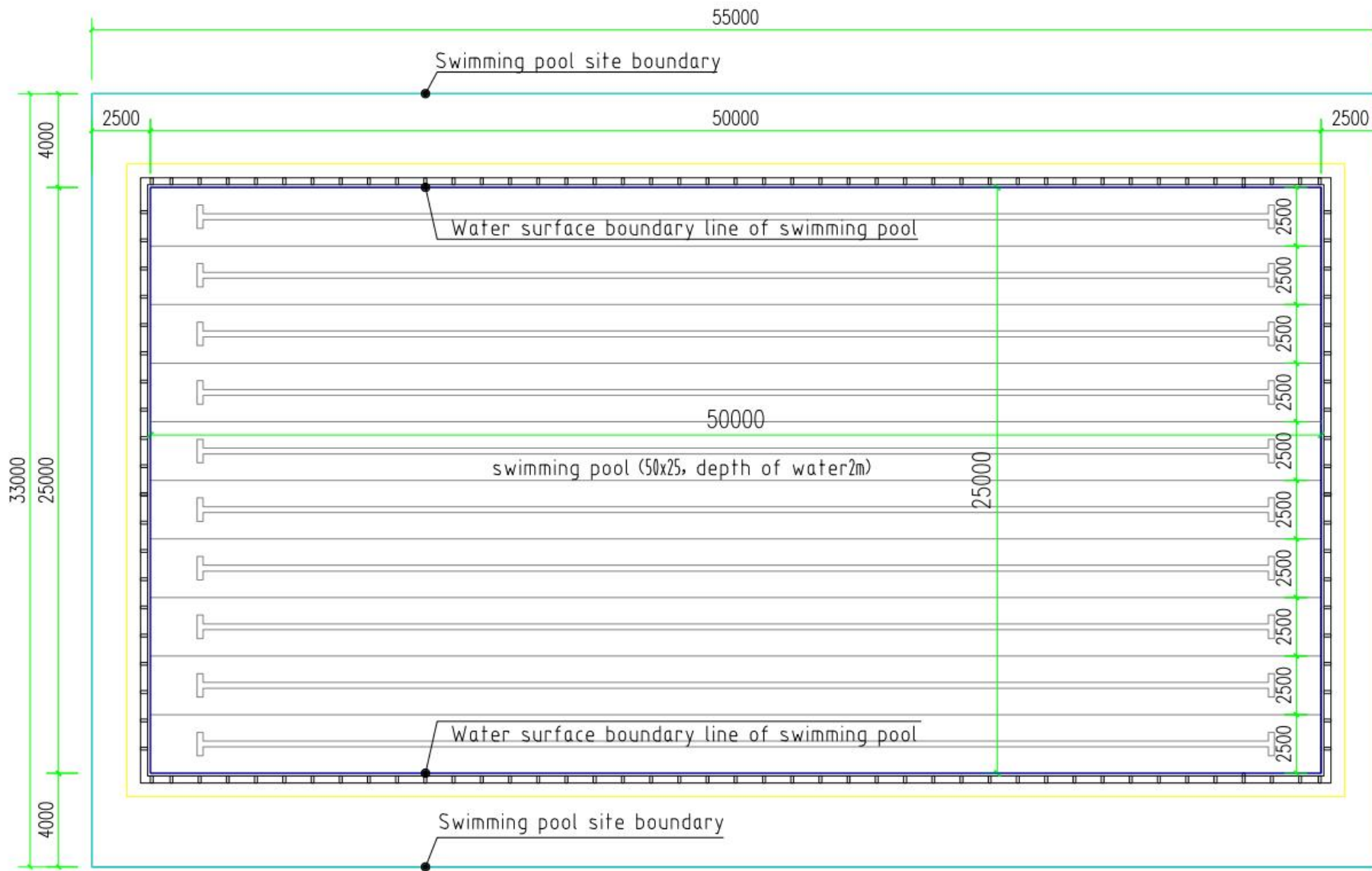
2、 Design Standards

- **Dimension: competition pool 50*25*2m; training pool 25*20*2m**
- **Basis**
 - ✓ "International Swimming Federation FINA Standard Manual" FLNA2009-2013
 - ✓ "Code for Design of Water Supply and Drainage for Buildings" GB50015-2003 (2009 edition)
 - ✓ "Technical Regulations for Water Supply and Drainage Engineering of Swimming Pools" CJJ122-2017
 - ✓ "National Standard Design Atlas - Swimming Pool Accessories Installation and Equipment Selection Atlas04S107"
 - ✓ "National Standard Design Atlas - Waterproof Casing Atlas 02S404"
 - ✓ "Water Quality Standards for Swimming Pools" GB37488-2019 (New National Standard)
 - ✓ "Code for Construction and Acceptance of Water Supply and Sewerage Pipeline Engineering" GN50278-2008



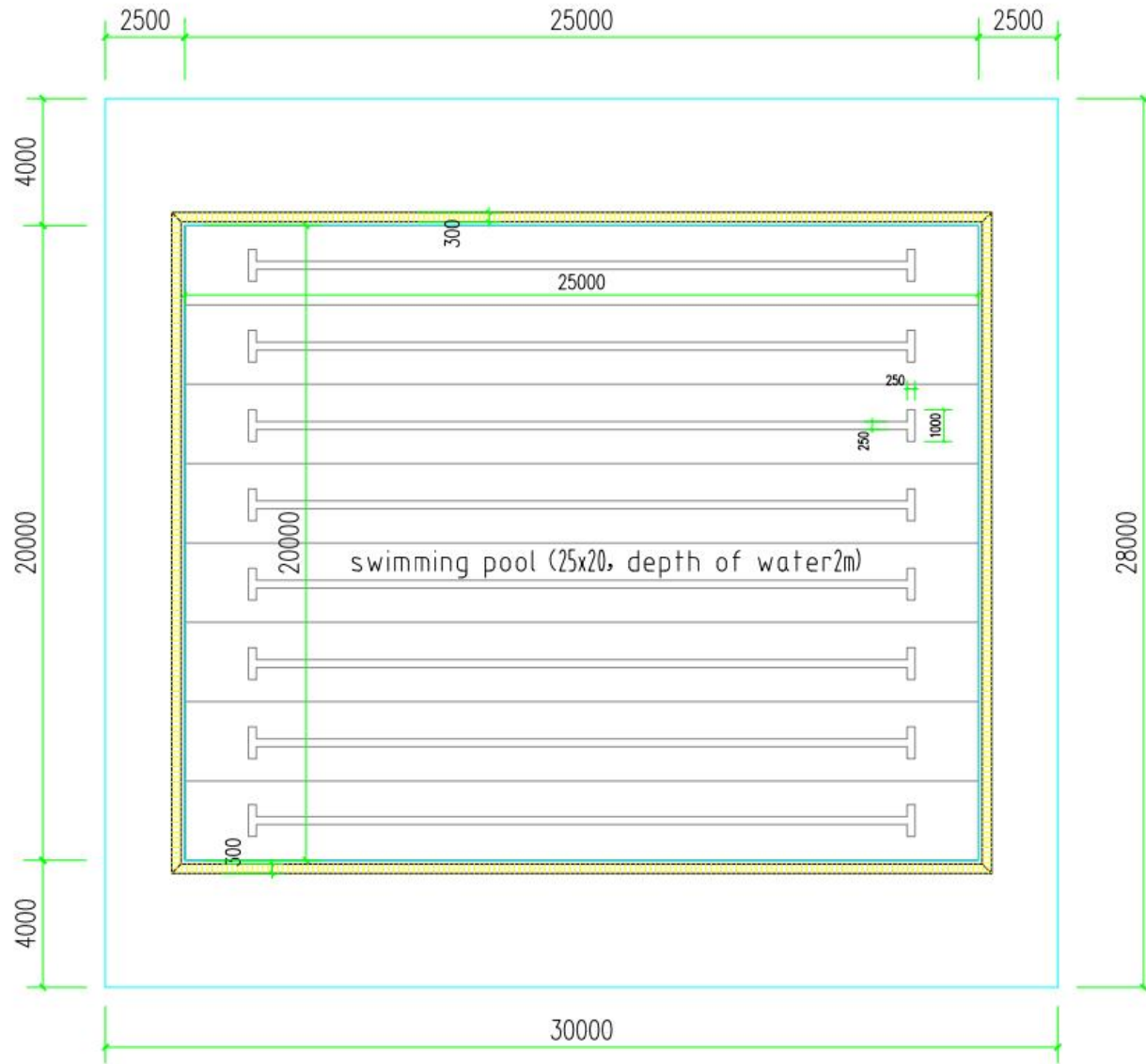
Standard competition swimming pool graphic design

(50x25m)





Training swimming pool graphic design (25*20*2m)





50m standard competition pool design renderings





25 meter training pool design renderings





3、Prefabricated smart energy-saving swimming pool

The main material of Yinghui pool is Japanese ZAM steel, which requires no civil construction. There are zero welding points in the entire pool. It only needs a flat ground and can be quickly assembled within 7-10 days. The swimming pool is equipped with a smart control system that can realize automatic circulation, dosing, and free-flowing. Human management mode, the pool adopts five-sided thermal insulation and energy-saving technology, and the water treatment system adopts 3-way return water + low chlorine circulation technology. The water quality can meet drinking water standards.





a、Material

- The main structure adopts ZAM steel imported from Japan, with a 15-year warranty and a 50-year service life.

Appearance of various steel cuts after salt spray test :

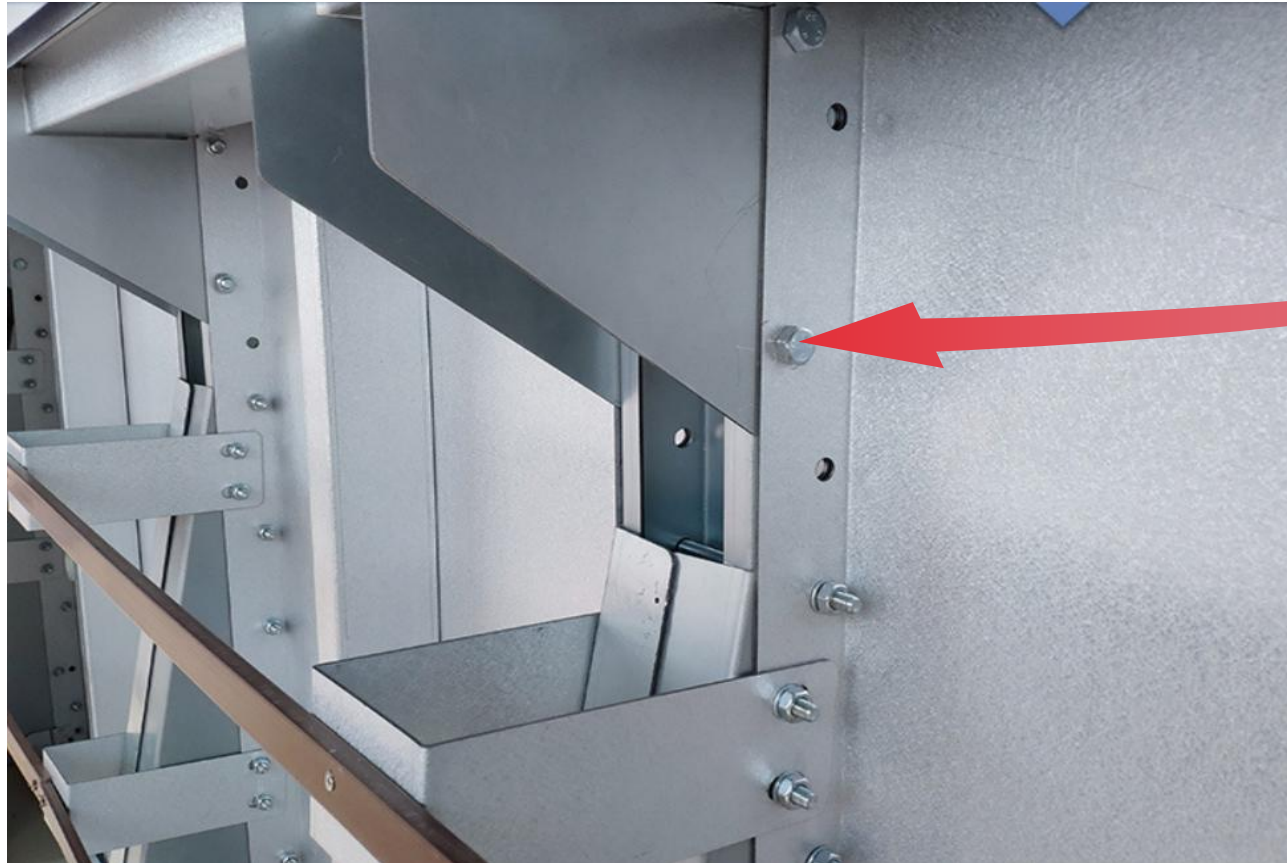
经过时间	100h	1,000h	4,000h
ZAM [®]			
热浸镀 55% Al-Zn 合金			
热浸镀 Zn-5%Al 合金			
热浸镀 Zn			





b. Installation

There are no welding points in the entire pool, and only bolts are used for installation. After technical guidance, worker can quickly assemble a semi-standard swimming pool within 7-10 days, making disassembly and assembly which is convenient and doesn't affect the pool service life.





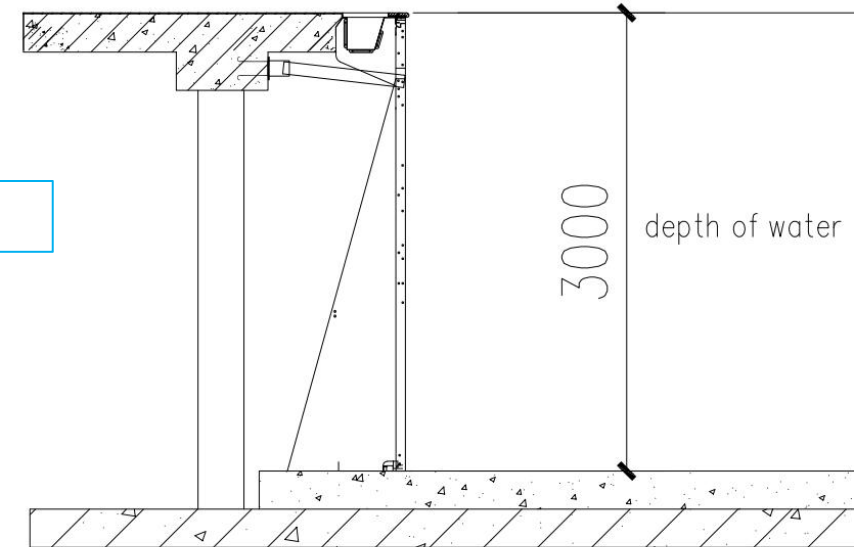
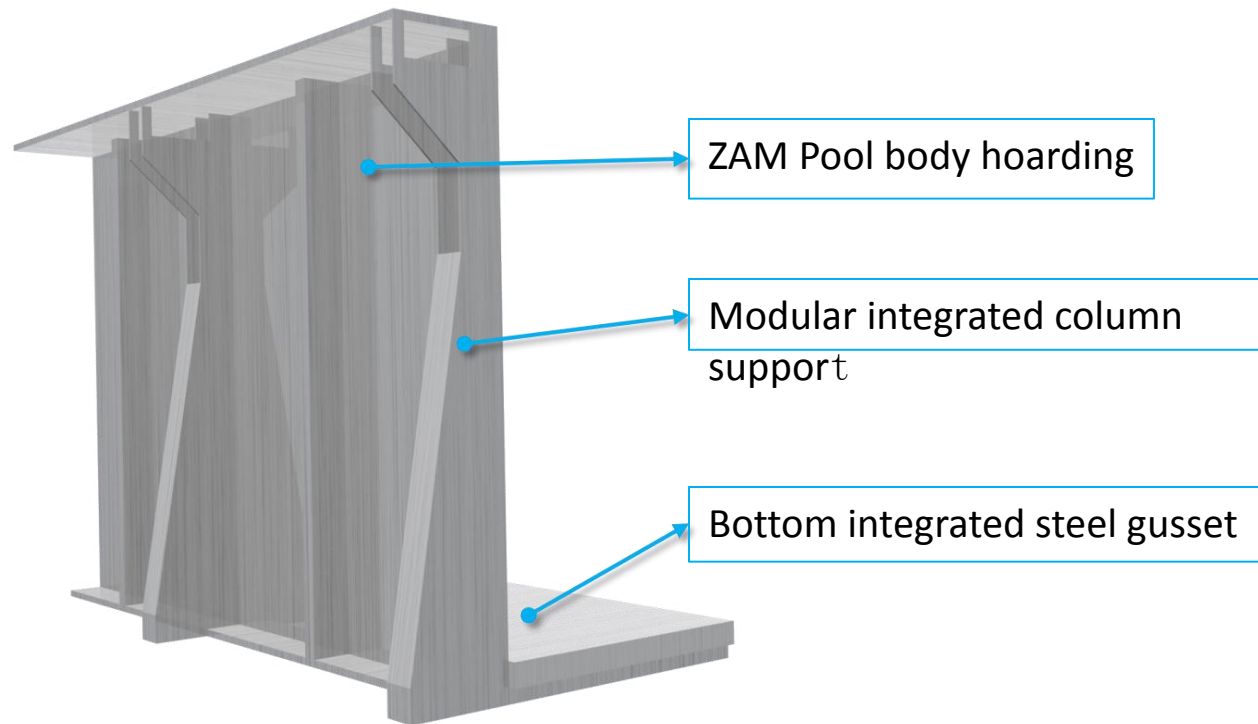
Pool installation





c. Structure

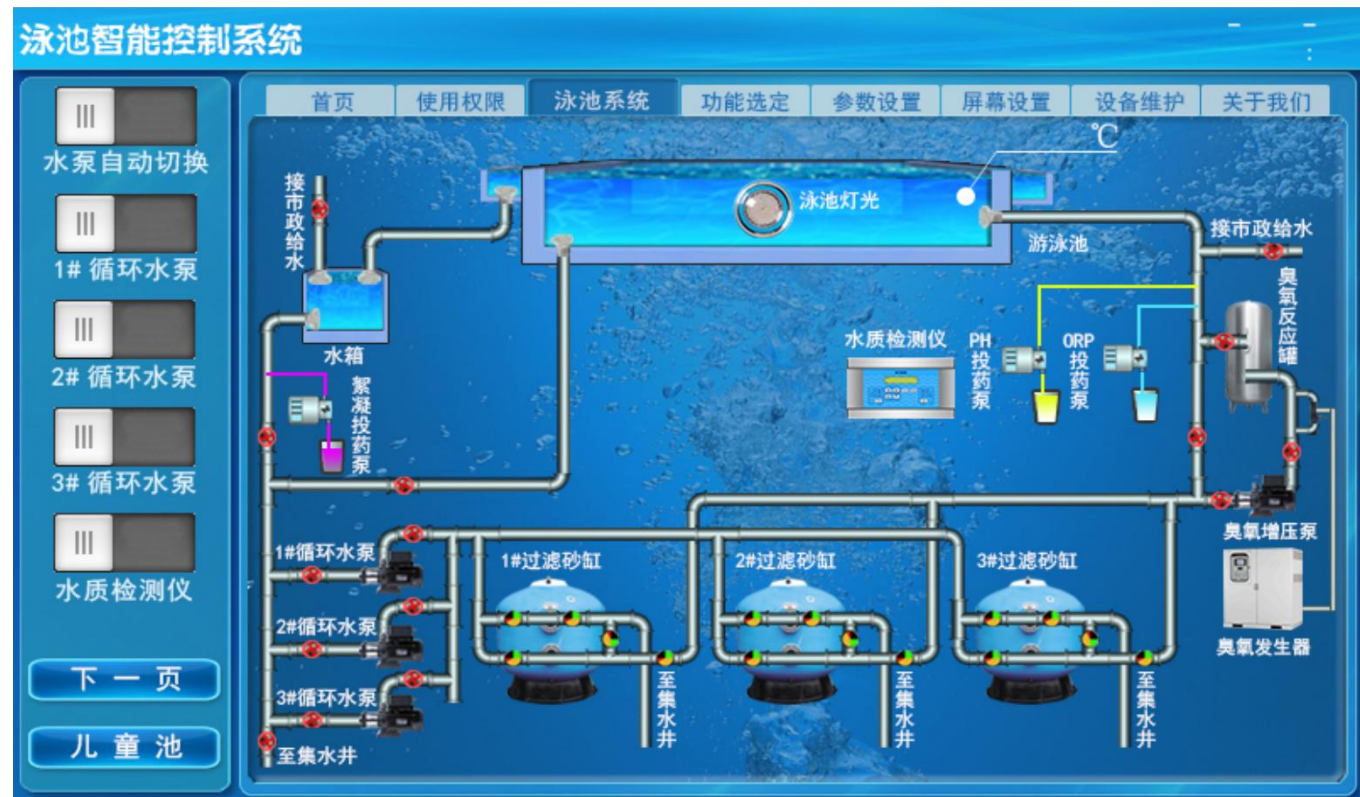
One-piece self-stabilizing structure, utilizing the gravity of the pool water to achieve its own stability, the water depth can reach more than 3 meters, and the deeper the water depth, the more stable the swimming pool structure is.





d. Swimming pool intelligent control system

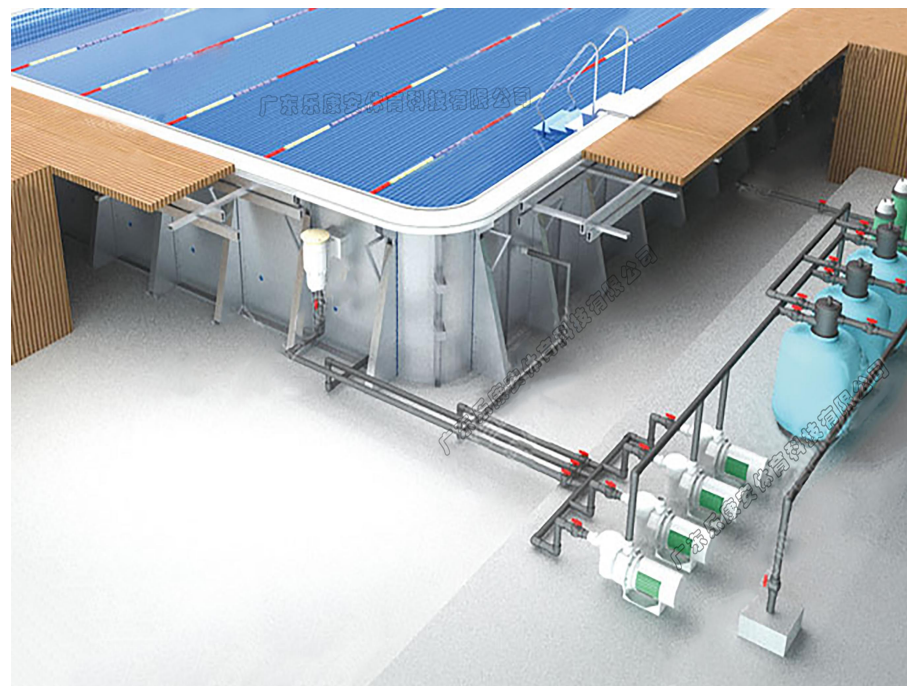
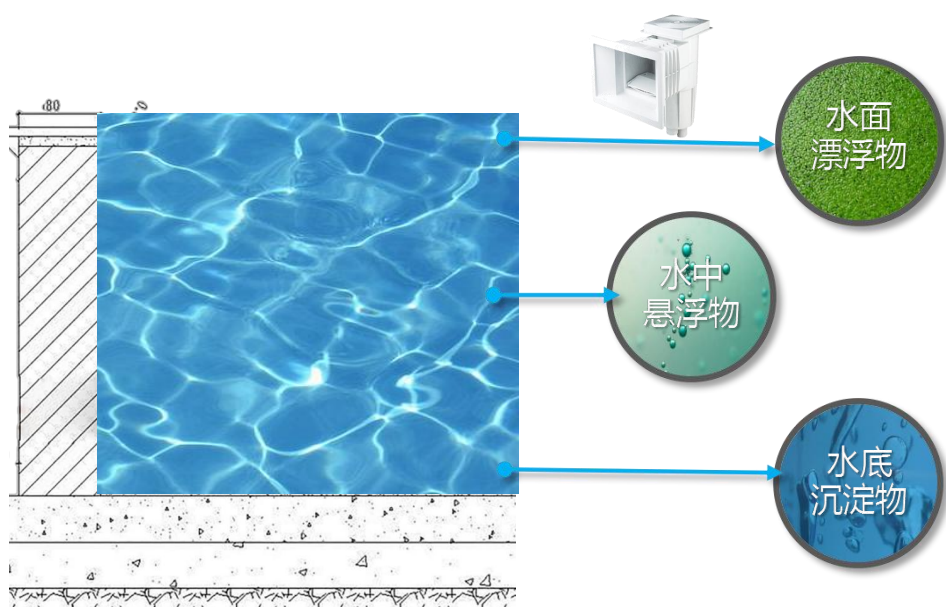
Through the Internet, could do water quality monitoring, automatic dosing, automatic backwashing, remote control, etc. One click to turn on the unattended management mode, replacing traditional manual management, saving labor expenses, and making the swimming pool reach the most ideal operating condition.





e. Water quality treatment

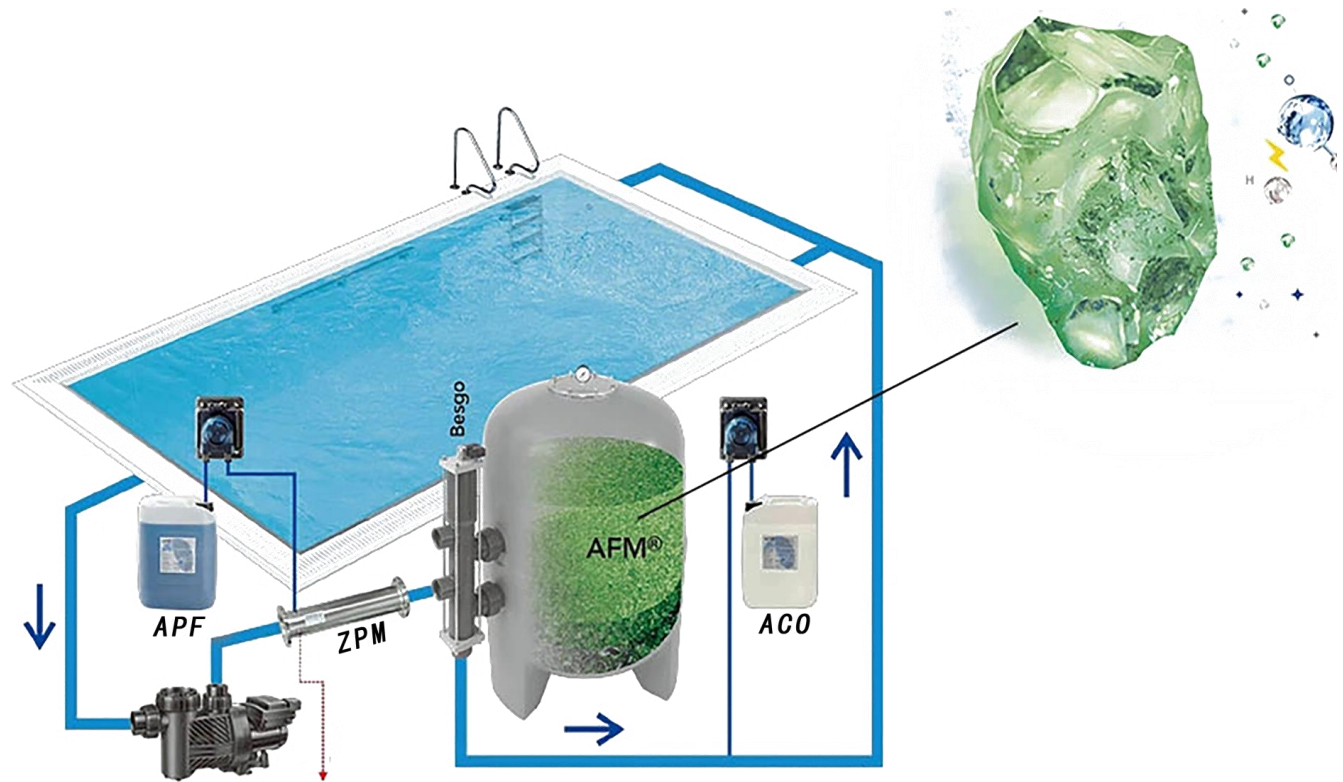
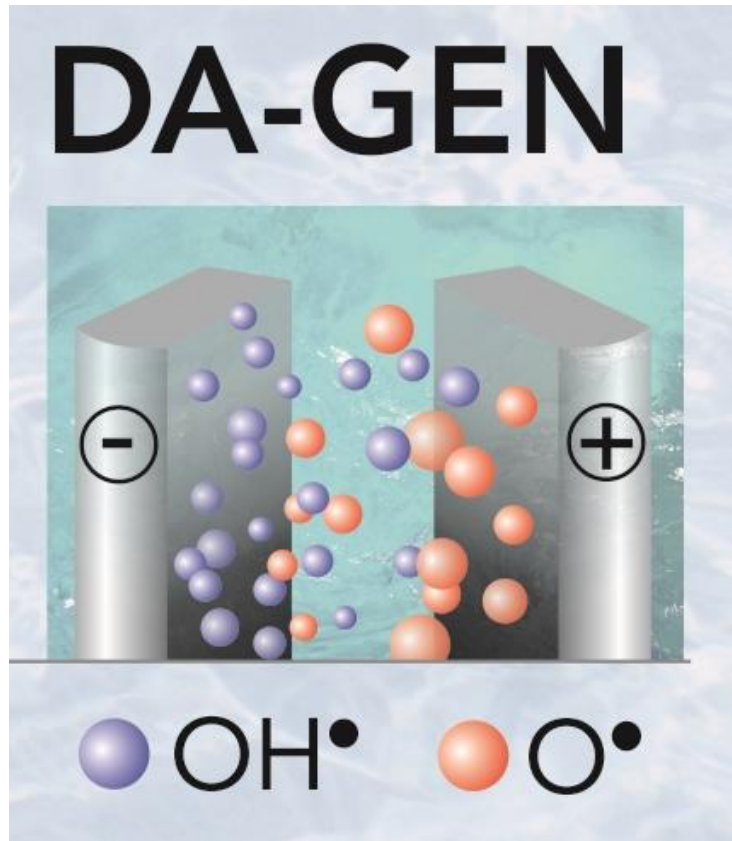
3-way water return design: breaking through the traditional one-way circulation, using a 3-way water inlet and return design on the pool surface, pool wall, and pool bottom, which can achieve 360° control of floating objects on the water surface, suspended matter in the water, and underwater sediments.





Water quality treatment

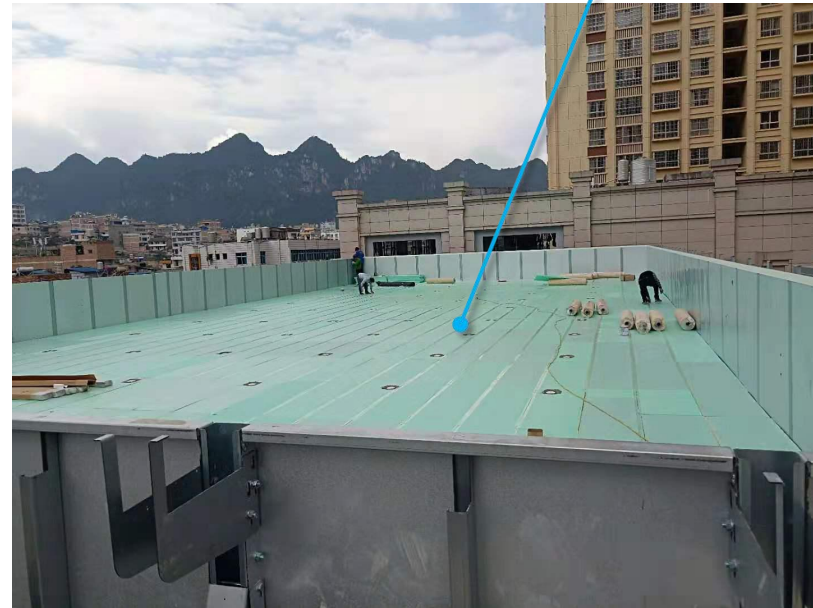
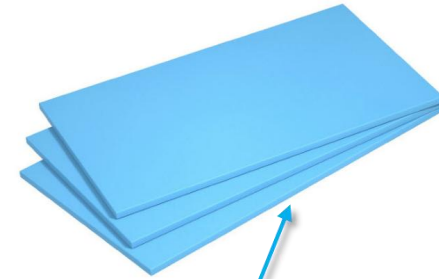
Low chlorine circulation system: AFM filter medium + salt chlorine electrolysis DA-GEN system is used to make the swimming pool water quality meet the drinking water standard.





f. Energy saving and emission reduction

4 sides of the pool wall are insulated with cotton, 1 side of the bottom is insulated with extruded board. Save energy and reduce emissions, build zero-carbon swimming pools, and contribute to achieving the global carbon neutrality goal of the Paris Agreement.

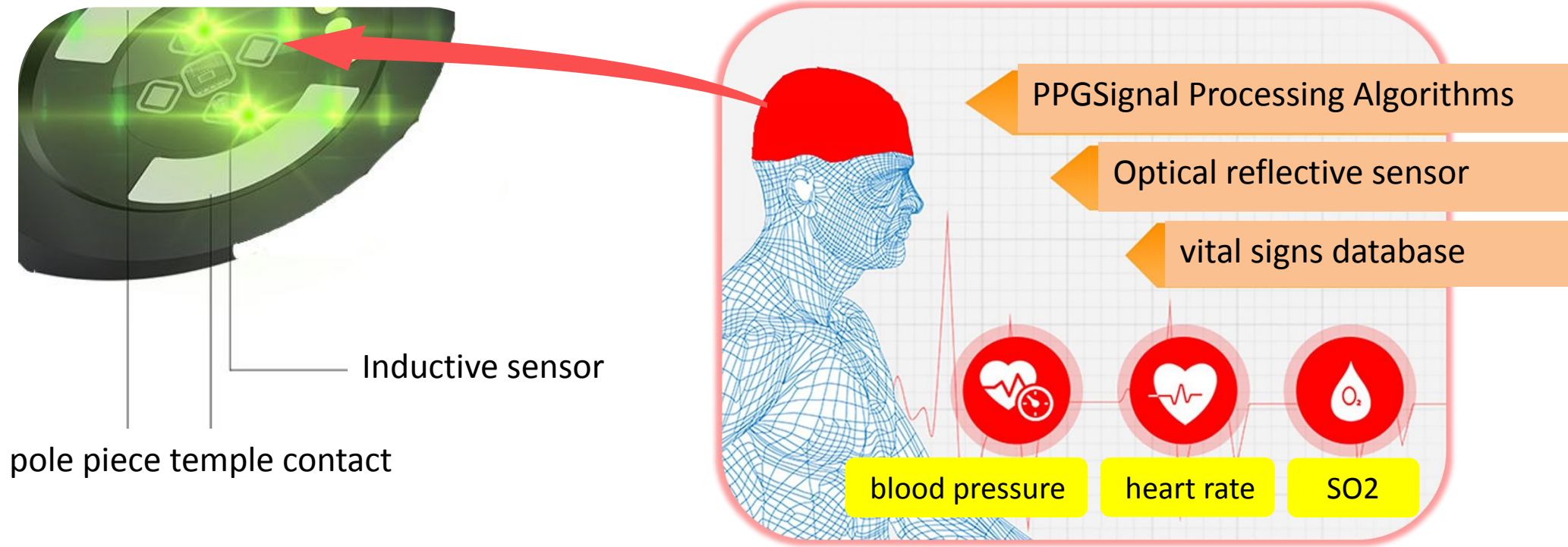




ANTI-DROWNING SAFETY SYSTEM

Swimming pool anti-drowning warning system: Real-time and high-precision capture of human body posture, heart rate, and blood oxygen data in water, generate a drowning index through an algorithm, and issue a drowning alarm to reduce safety accidents in swimming pools.

By using anti-drowning warning system, make swimming to be a low-risk sport that everyone can learn. It is conducive to the promotion of swimming by World Aquatics in the world.





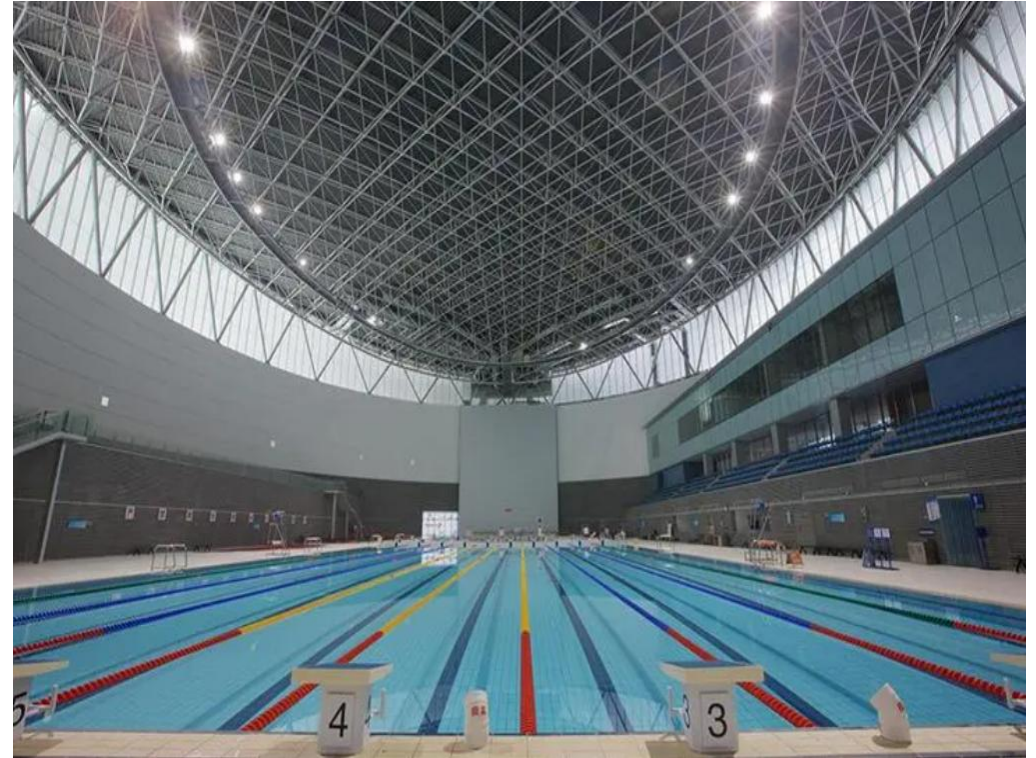
Product comparison

	Other swimming pool brand	Yinghui Prefabricated intelligent (competition) swimming pool
Material	Galvanized steel	ZAM aluminum magnesium zinc steel plate
Warranty	Pool body warranty for 10 years	The pool body is guaranteed for 15 years and the service life is 50 years
Construction period	90days (50*25m competition pool)	30days (50*25m competition pool)
Pool structure design	Ordinary inclined support structure, need to rely on platform stability	self-stabilizing technology The deeper the water, the more stable it is
Energy saving design	None	5 sides heat preservation + solar energy + air energy, low energy consumption
Water management	Ordinary countercurrent circulation, large amount of chlorine disinfectant	Low chlorine countercurrent circulation system, greatly reducing drug delivery
Smart System	None (completely manual)	One-key unmanned management mode of swimming pool intelligent system
Anti-drowning	None	Anti-drowning early warning + safety management system real-time monitoring
Installation and maintenance	Difficult to install and replace parts	Low technical threshold for bolt assembly and installation, easy maintenance



4、Projects Gallery

- Swimming pool project in Shenzhen





Projects Gallery

- Swimming pool project of a sports center in Foshan





Projects Gallery

- Huizhou Olympic Sports Center Swimming Pool Project





Projects Gallery

- Swimming pool project of a sports center in Qingyuan





Thank you for your attention

