# ARIT

#### **RESPONSIBILITY/INTEGRITY/INNOVATION/SUCCESS**

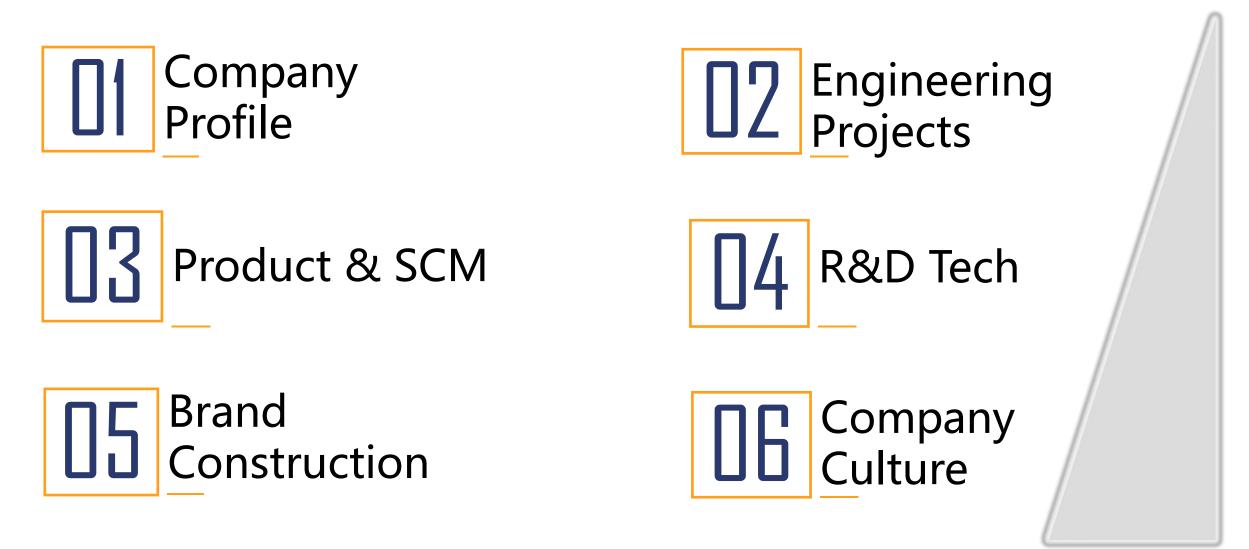




#### IDEAOLOGY DILIGENCE SECURES THE FUTURE CORE VALUE RESPONSIBILITY/INTEGRITY/INNOVATION/SUCCESS EXECUTION NO MATTER HOW LATE IT IS TODAY, IT IS STILL EARLY, AND NO MATTER HOW EARLY IT IS TOMORROW, IT IS LATE, ACT IMMEDIATELY









# **Company Profile**

**ARIT** 





#### Jiangsu ARIT new materials Co., LTD

ARIT is specialized in R&D, production, and sales of concrete admixture. It's a leading brand in chinese concrete admixture market.

Headquarter	Nanjing, China
Foundation	YR 2010
<b>Registered</b> Capital	CNY 0.1 billion
2023 Sales Revenue	CNY 0.5 billion
<b>Production Capacity</b>	0.6 million tons/year
Employee	260+



#### Environment

Known as the Chinese "most beautiful concrete admixture company"



Aerial view



Cofffee Bar

Gym



Book Bar







## Total: 260+

## Master & Phd: 32+

Intermediate & senior professional titles: 25+

**ARIT** 













First batch to obtain Railway CRCC Certification

#### Incubating Unicorn Company

## Specialized & New Enterprise

Qualified supplier of CNNC













**High-tech Enterprise** 

Chinese Top10 polycarboxylate superplasticizer Enterprises

Chinese Top10 concrete admixture enterprises Chinese most beautiful concrete admixture company







#### ARIT

#### **Strategic Partners**



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China Railway First Group Co.,Ltd. China Railway No.2 Engineering Group Co., Ltd. China Railway Major Bridge Engineering Group Co.,Ltd. Shanghai Civil Engineering Co.,Ltd of CREC China Railway 11th Bureau Group Corporation Limited. China Railway 14th Bureau Group Corporation Limited. China Railway 22nd Bureau Group Corporation Limited. CCCC First Harbor Engineering Company Ltd. CCCC Second Harbor Engineering Company Ltd. CCCC Third Harbor Engineering CO.,LTD. China Civil Engineering Construction Corporation. China Gezhouba Group Road&Bridge Co.,Ltd.

## **Customer Recognition**

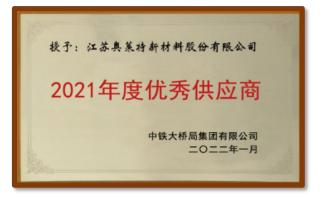


Annual Excellent partner -China United Concrete Nanjing Co.,Ltd.



#### **Excellent Supplier**

-China Railway 11th Bureau Group Corporation Limited



Excellent Supplier -China Railway Major Bridge Engineering Group Co.,Ltd



#### Excellent Supplier

-China Railway 14th Bureau Group Corporation Limited



Annual Excellent partner -Sanhe Pile



#### **Excellent Supplier**

-Hutong Yangtze River Bridge Construction Command Headquarter

### ARIT









#### **♦**HIGH-SPEED RAILWAY **♦**BRIDGE ENGINEERING **♦**PRECAST CONCRETE









NO	PTOJECT	COUNTRY	COOPERATION
1	Padma Bridge	Bangladesh	China Railway Major Bridge Engineering Group CO.,LTD
2	Mombasa–Nairobi Standard Gauge Railway	Kenya	Dealer
3	Lotus Tower	Sri Lanka	China National Electronics Import and Export Corp.
4	N/A	Cambodia	TGNMC TIAN GONG NEW MATERIALS (CAMBODIA) COLTD



#### 01 HIGH-SPEED RAILWAY



NO	PTOJECT	Abbr	COOPERATION
1	Shanghai-Suzhou-Nantong Railway	Husutong Railway	China Railway First Group Co.,Ltd. China Railway 19th Bureau Group Co.,Ltd. China Railway Major Bridge Engineering Group Co.,Ltd. Shanghai Civil Engineering Co.,Ltd of CREC China State Construction
2	Fuzhou-Xiamen Railway	Fuxia Railway	China Railway Major Bridge Engineering Group Co.,Ltd. China Railway 12th Bureau Group Co.,Ltd
3	Huzhou-Hangzhou Railway	Huhang Railway	China Railway No.3 Engineering Group Co., Ltd. China Railway No.5 Engineering Group Co., Ltd. China Railway 12th Bureau Group Co., Ltd. China Railway Major Bridge Engineering Group Co.,Ltd.
4	Shangqiu-Hefei-Hangzhou High- speed Railway	Shanghehang high- speed Railway	CCCC Tunnel Engineering Company Ltd. China Railway First Group Co.,Ltd. Shanghai Civil Engineering Co.,Ltd of CREC China Railway Major Bridge Engineering Group Co.,Ltd. China Railway Beijing Group Co.,Ltd. China Railway Electrification Engineering Group Co.,Ltd.
5	Fuzhou-Pingtan Railway	Fuping Railway	China Railway Construction Bridge Engineering Bureau Group Co.,Ltd. China Railway 24th Bureau Group Co.,Ltd. China Railway Major Bridge Engineering Group Co.,Ltd.





#### Rank Forefront-Admixture in high-speed railways

NO	PTOJECT	Abbr	COOPERATION
6	Zhengzhou-Xuzhou High-speed Railway	Zhengxu Railway	China Railway First Group Co.,Ltd. China Railway 7th Group Co., Ltd. China Railway 20th Bureau Group Co., Ltd.
7	Shijiazhuang-Jinan Passenger Shiji passenger Railway railway		China Railway First Group Co.,Ltd. The Fourth Engineering Co., Ltd. Of CTCE Group China Railway 6th Group Co., Ltd. China Railway 11th Bureau Group Co., Ltd.
8	Shanghai-Suzhou-Huzhou High- speed Railway	Husuhu high-speed railway	China Railway Guangzhou Engineering Group Co.,Ltd.
9	Guangzhou-Shanwei High-speed Railway		China Railway Guangzhou Engineering Group Co.,Ltd. China Railway No.2 Engineering Group Co., Ltd. China Railway No.5 Engineering Group Co., Ltd.
10	Shanghai-Nanjing Riverside High-speed Railway	Nanyanjiang Railway	China Railway Guangzhou Engineering Group Co.,Ltd. CCCC Third Harbor Engineering Co.,Ltd.
11	North Riverside High-speed Railway	Beiyanjiang Railway	China Railway 11th Bureau Group Corporation Limited. China Railway 19th Bureau Group Corporation Limited. Shanghai Civil Engineering Co.,Ltd of CREC



#### 01 HIGH-SPEED RAILWAY



NO	PTOJECT	Abbr	COOPERATION
12	Hangzhou-Huangshan high-speed Railway	Hanghuang Railway	China Railway No.2 Engineering Group Co., Ltd. China Railway No.3 Engineering Group Co., Ltd. China Railway Tunnel Group Co., Ltd. China Railway 24th Bureau Group Corporation Limited.
13	Quzhou-Ningde Railway	Quning Railway	China Railway 6th Group Co., Ltd. CCCC Tunnel Engineering Company Ltd. China Railway Tunnel Group Co., Ltd.
14	Hanghzou-Quzhou high speed Railway	Hangqu Railway	China Railway No.5 Engineering Group Co., Ltd. China Railway 11th Bureau Group Corporation Limited. China Railway Construction Bridge Engineering Bureau Group Co.,Ltd.
15	Wuhan-Shiyan high speed Railway	Hanshi Railway	China Railway 15th Bureau Group Corporation Limited. China Railway 11th Bureau Group Corporation Limited.
16	Zhengzhou-Fuyang high speed Railway	Zhengfu Railway	China Railway First Group Co.,Ltd. China Construction Communications Engineering Group Corporation Limited.
17	Xingguo-Quanzhou Railway	Xingquan Railway	China Railway NO.10 Engineering Group Co., Ltd. China Railway 12th Bureau Group Co., Ltd.
18	Jinan-Qingdao high spped Railway	Jiqing Railway	China Railway First Group Co.,Ltd. Shanghai Civil Engineering Co.,Ltd of CREC. China Railway Beijing Group Co.,Ltd.



#### **Rank Forefront-Admixture in Bridge Construction**

NO	PTOJECT	CHALLENGE
1	Shanghai-Suzhou-Nantong Yangtze River Bridge	Underwater self-leveling concrete, with no loss of slump within 5 hours, and the concrete has a delayed setting time of over 30 hours.
2	Pingtan Strait Road-Cum-Rail Bridge	The pile diameter is large, and the concrete needs to be transported and pumped multiple times.
3	Yangsigang Yangtze River Bridge	The main tower caisson was poured with 43000m <sup>3</sup> of concrete at a time, the construction lasted for 15 consecutive days, and the concrete slump spread showed no loss within 3 hours at a temperature of 40°C.
4	Wuhan Yangtze River Bridge	C50 Concrete, ground-based straight-line pumping is used.
5	Bangladesh Padma Bridge	The material is solely cement and the concrete is required to maintain its slump spread without loss for 5 hours.
6	Wuhu Yangtze River Bridge	The underwater concrete of the main pier is pumped with a total length of nearly 300 meters with two times of pump pressure and a dozen angled pipes.
7	Wufengshan Yangtze River Bridge	Concrete grade C30, underwater anchored diaphragm wall.
8	Tiaoshun Bridge	The first "PPP Project Cooperation Model" in Zhanjiang.
9	Oujiang Beikou Bridge	The initial setting time of concrete for the central tower is approximately 40 hours; The central tower requires high concrete strength and durability; The caisson base is sealed to ensure that the flowability of the marine C30 concrete meets the construction requirements.



## **03 PRECAST CONCRETE**

#### **Rank TOP 1-Admixture in Piles Industry**

#### PARTNER

Jianhua Construcion Tianjin Jianhua、Hubei Jianhua、Zhaoqing Jianhua、

Materials Huizhou Jianhua Yangjiang Jianhua

Others

Sanhe PileSuzhou Sanhe, Jiangsu Sanhe, Yancheng Sanhe, SuqianSanhe, Shaoxing Sanhe, Hubei Sanhe, Jiangmen Sanhe

Poly Concrete Pile Tianjin Poly, Tangshan Poly, Fujian Poly, Maanshan Poly

Shanghai Railway Wuhu Track Board Co.,Ltd

China Railway No.9 Group Yantong Track Board

China Railway 22nd Bureau Pipe Section Factory

China Railway 16th Bureau Pipe Section Factory

China Railway No.9 Group Pipe Section Factory

Weihai Zhongheng Pipe Pile Co., Ltd.







#### **04 TUNNEL ENGINEERING**







Rank TOP 1 -Admixture in Tunnel Engineering

#### PROJECTS

**Sichuan-Tibet Railway**: China Railway 11th Bureau Group Corporation Limited, China State Construction, China Gezhouba Group Co.,Ltd., China Railway First Group Co.,Ltd, China Communications Construction

Ganzhou-Shenzhen High-speed Railway: Heping Tunnel, Songgangshan

tunnel、Zhaigang Tunnel、Jianfengding Tunnel

Shenzhen-Maoming Railway: Liangang Tunnel、Jian Tunnel、Dalang Tunnel

Qianjiang-Changde Railway: Daping Tunnel、Chaijiabao Tunnel

Baokang–Shennongjia Expressway: Quchiwan Tunnel

Zunyu Expressway: Tiechang Tunnel, Taozitai Tunnel, Guangjiatu Tunnel

QuNing Railway: Tashiling Tunnel、Yangmeiling Tunnel、Wushan Tunnel

Jinhua-Ningbo Railway: Wangganling Tunnel、Baocun Tunnel、Fanjia Tunnel、

Zhiao Tunnel、Meishanjiao Tunnel、Muzhouling Tunnel、Dongshan Tunnel





NO	PTOJECT	COOPERATION
1	Ninghe Expressway	China National Chemical Engineering No.14 Construction Co.,Ltd.
2	Yuchu Expressway	China Railway First Group Co.,Ltd. China Railway Major Bridge Engineering Group Co.,Ltd. China Gezhouba Group Co.,Ltd.
3	Xitong Expressway	China Railway 15th Bureau Group Corporation Limited. China Railway Major Bridge Engineering Group Co.,Ltd.
4	Huaguan Expressway	China Railway Major Bridge Engineering Group Co.,Ltd.
5	Honghe Expressway	China Railway 11th Bureau Group Corporation Limited.
6	Zaoqian Expressway	China Gezhouba Group Co.,Ltd.
7	Huai'an Expressway	China Railway 15th Bureau Group Corporation Limited. China Railway 19th Bureau Group Corporation Limited.
8	Jianjin Expressway	Zhejiang Communications Construction Group Co.,Ltd.



NO	PTOJECT	COOPERATION
9	Shixi Expressway	China Railway 11th Bureau Group Corporation Limited.
10	Xiasha Expressway	China Railway First Group Co.,Ltd.
11	Kunming Expressway	China Railway First Group Co.,Ltd.
12	Yunzhan Expressway	China Railway 23rd Bureau Group Corporation Limited.
13	Baoshen Expressway	China Railway Major Bridge Engineering Group Co.,Ltd. China Railway Construction Bridge Engineering Bureau Group Co.,Ltd.
14	Shiqian Expressway	China Railway 20th Bureau Group Corporation Limited.
15	Jiayu Bridge, Shishou Bridge	CCCC Second Highway Co.,Ltd.
16	Jitai Expressway	China Railway Tunnel Group Co., Ltd.





#### China National Building Material Group Co.,Ltd./ China State Construction/ Huaxin Cement Co.,Ltd./ Anhui Conch Group Co.,Ltd./ China Gezhouba Group Co.,Ltd.

NO	REGION		COOPERATION
Nanjing			China United Concrete Nanjing Co.,Ltd.、Jiangsu S&L、Jiangsu Zhongjian Commercial Concrete Co., Ltd. 、Shanghai Construction Group(Zhentai Station、Tianlong station) 、 Nanjing Bondex Concrete Group Co.,Ltd.
1	Jiangsu	Suzhou	Shenkun United Concrete Co., Ltd、Taicang Shenkun、Suzhou Kaiyuan Ready-mixed Concrete Co.,Ltd.、Jiangyin Concrete Xinhui Co.,Ltd.
			Anhui Conch Group Co.,Ltd. (Nantong)、Haian Hongyi、Haimen Zexin
			Dalongxin Construction、Taizhou Xincheng New Building Materials Co., Ltd.
2	Shanghai	Shanghai Construction Group、Shenkun Group	





NO	REGION	COOPERATION
3	Anhui	Anhui Dongqiang New energy-saving Building Materials Co., Ltd.、China State Construction、Anhui Construction Group、China United Concrete(Chuzhou)
4	Zhejiang	Zhejiang Sanshi South New Material、Jitai Commercial Concrete、Jiande Huancheng
5	Fujian	China State Construction(Fujian)、Fujian Huaneng、Fujian Heshunde、Fuzhou Jilong、
6	Shandong	Taian Longcheng、Jinan Jinji、Jinan Hongji、Weifang Tianyi
7	Hubei	Huangshi Sikesong、Hubei Fengtai、China State Construction(Hubei)、Huaxin Cement Co.,Ltd.
8	Guangdong	Shenzhen Hongsheng、Shenzhen Huiji、Huaxin Cement Co.,Ltd.

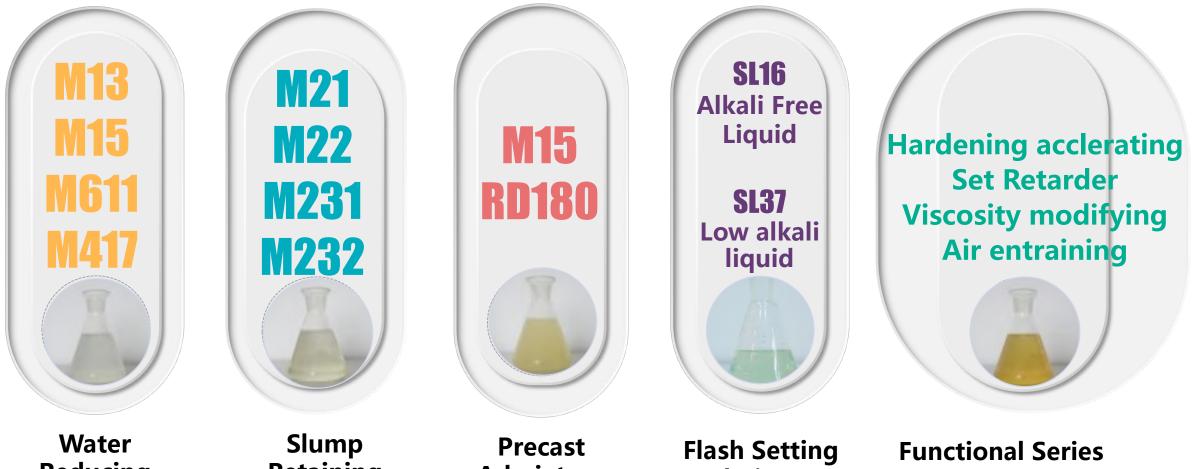


# Product and SCM









Reducing Admixture

Retaining Admixture Admixture

Admixture





NEW! P180 Powder Polycarboxylate Superplasticizer Performance: Early Strength Applications:

dry mixed mortar & offshore wind

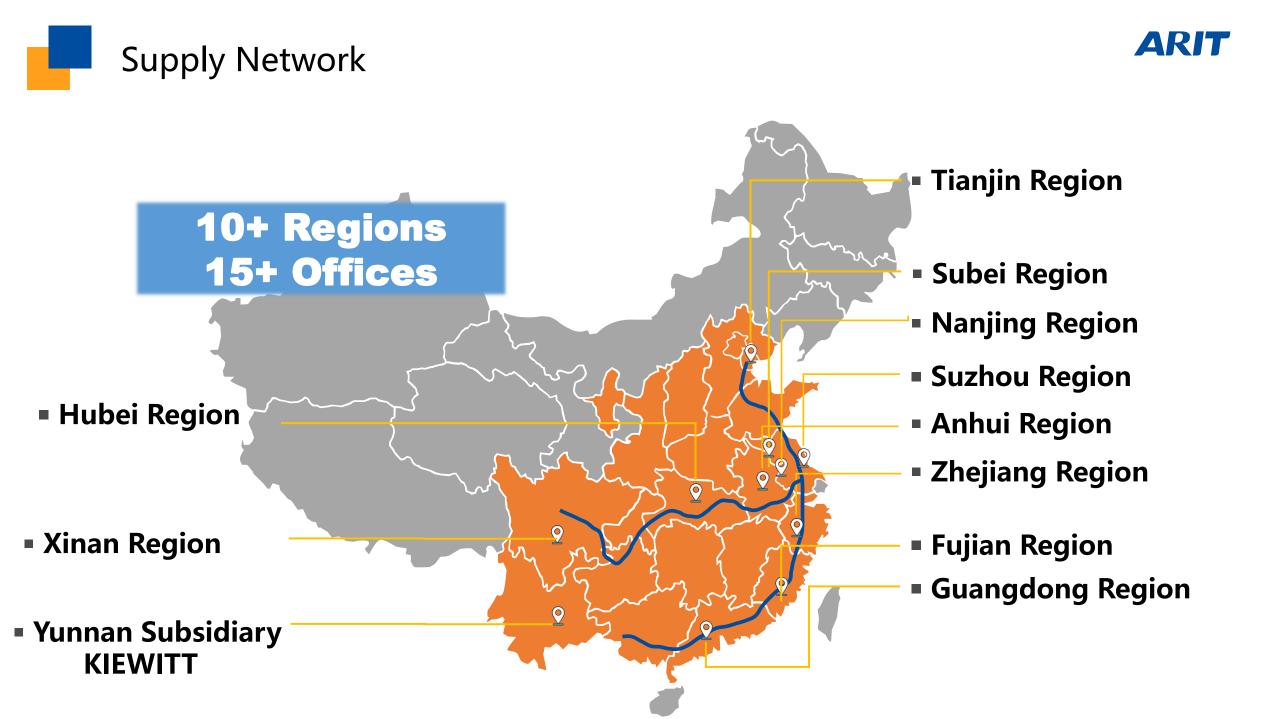
power grouting material











## Yunnan Subsidiary KIEWITT



**Environmental Technology Enterprise Specializing in the Harmless Treatment and Resourceful Utilization of Industrial Waste** 

## Product: Powder Flash Setting Admixture

- Address the Recycling of Phosphorus Chemical Industry Waste
- Fast Dissolving

Suitable for Both Dry and Wet Conditions

- Outstanding Freeze Resistance
  Low Packaging and Transportation Costs
- Environmentally Friendly Alkali-Free, Chlorine-Free

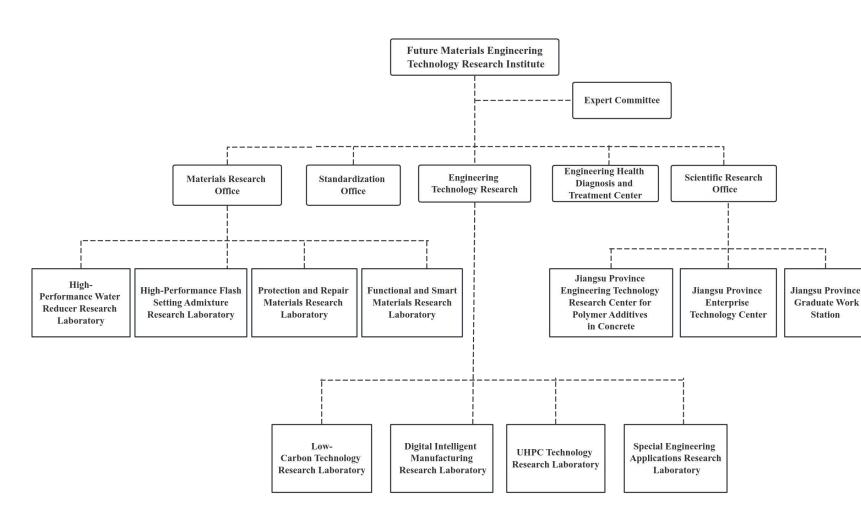




# R&D Tech



#### **Future Materials Engineering Technology Research Institute**



#### Dean

• Pro. Ziming Wang

(Beijing University of Technology)

ARIT。奥莱特

#### **Chief Expert**

Pro. Chunxiang Qian

(Southeast University)

Pro. Min Deng

(Nanjing Tech University)

- Pro. Yaqing Jiang
  - (Hohai University)
- Pro. Plank

(Technical University of Munich)









5000m<sup>2</sup> R&D Building

#### **Advanced Testing Equipments and Laboratory Equipments**

江苏(奥莱特)混凝土高分子助剂 工程技术研究中心 JIANGSU (ARIT) ENGINEERING RESEARCH CENTER FOR CONCRETE POLYMER ADDITIVES 江苏省财政厅 [[] 苏省科学技术[]

Provincial Engineering
 Technology Research Center

苏省 企业技术中心

Provincial-levelEnterprise Technology Center

江苏省 研究生工作站 <sup>江苏省教育厅</sup> <sup>江苏省科学技术厅</sup> <sub>二〇一四年九月</sub>

Jiangsu Province
 Graduate Workstation

#### **R&D** Environment





Serves as a national-level training base of professional skills for spraying concrete





>

35 R&D employees26 Master or Phd;24 with intermediate & seniorprofessional titles

ARIT



#### Independent R&D: Hold over 100 patents;

including 5 U.S. patents, 65 Chinese invention patents, and 31 utility model patents



# 





### Publishes more than **50** papers in domestic and foreign academic journals;

Among them, **4** papers were included in SCI, **18** papers were included in EI,

and **4** papers received the first prize at industry conferences

Paper Title	Publication Title
Synthesis, characterization and working mechanism of a novel polycarboxylate superplasticizer for concrete possessing reduced viscosity	Construction and Building Materials
Preparation, application and water reducing mechanism of a novel fluorescent superplasticizer with improved flow retaining ability and clay tolerance	Journal of Dispersion Science and Technology
A novel kind of concrete superplasticizer based on aryl isocyanate polycondensate	Materials Science and Engineering
Synthesis, Characterization and Mechanism of Polycarboxylate Superplasticizer with slump retention capability	Materials Science and Engineering
Synthesis of Polycarboxylate Superplasticizers via Continuous RAFT Photopolymerization	Journal of Building Materials
Synthesis, Characterization, and Mechanism Study of Polyphosphonic Acid Superplasticizers	Journal of Silicate









# The alkaline free liquid flash setting admixture

Awarded the Major Scientific and Technological Achievements Transformation in Jiangsu Province and Get 9 million RMB in financial support 1 program for

"Jiangsu Province Science and Technology Progress Award"

3 programs for

"Second Prizes in the Science and Technology Progress Awards of the Architectural Society of China"

**Honors** 

#### 2 programs for

"Third Prizes in the Excellent Building Materials Product Application Design Awards from the Architectural Society of China"







## **Obtains 8 industry-level provincial**

### scientific and technological achievements appraisals

among which 4 have reached the international leading level,

and 4 have reached the international advanced level





### 02 GB/T 35159-2017 《Flash setting admixtures for shotcrete》 National Standard



**GB/T 8075-2005** 《Definition, classification, nomenclature and terms of concrete admixtures》 National Standard

04) Development of Industry Standards for Concrete Slump Retention Admixture

JG/T223-2007 《Polycarboxylates high performance water-reducing admixture》 Industry Standard



Participated in the Development of **32** Industry Standards



### **Industry-University-Research Cooperation**



**Strategic Partner University** 

- Tsinghua University
- Beijing University of Technology. China Academy of Building Research
- Nanjing Tech University
- Southeast University



## Suzhou Concrete and Cement Products

### **Research Institute**



### **Technical Strength**







Hutong Yangtze River Bridge Outstanding Technical Contribution Award Special Award for Science and Technology in Engineering Construction



Years of Experience in High-Speed
 Railway Engineering Technical Services
 With "Solution Within Three Sets"
 Technical Service Advantage
 Skilled in Providing Satisfactory
 Concrete Solutions



## **Brand Construction**

ARIT







Traditional Media Outdoor Advertising Industry Magazines



New Media WeChat Corporate Profile WeChat Official Accounts Panoramic Tours Tiktok Official Accounts

## Industry Conferences













## **Industry Conferences**

Host the Fourth Meeting on the Formulation of the National

Standard for 'Flash setting admixtures for shotcrete' in 2016





ARIT

Participate in the 12th International Conference on Superplasticizers and Other Chemical Admixtures for Concrete





## **Industry Competition**



**Organized the First 'ARIT' Cup National Sprayed Concrete Design Competition in 2021** 







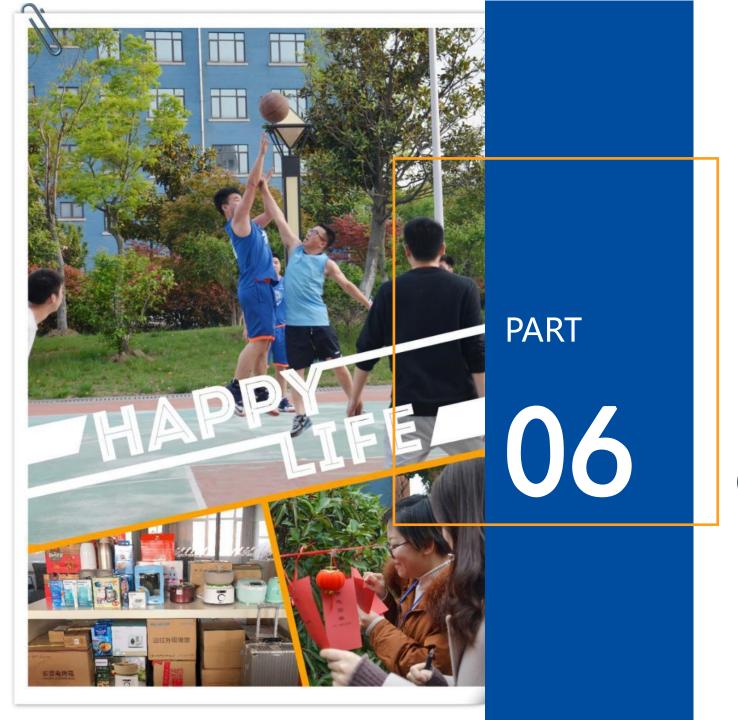


## Industry Honors



**ARIT** 

The best brand construction enterprise in Chinese concrete admixture industry.



## **Company Culture**



## **Executive culture**



No matter how late it is today, it is still early, and no matter how early it is tomorrow, it is late.

Act immediately!





## **Distinctive Culture**



### Job Application Competition System for Rational Suggestions



Monday Flag-raising Ceremony

**Book Reading Points Program** 

## **Distinctive Culture**



Most Beautiful Female Security Guard



Work Break Exercises



**ARIT** 

Win the District Basketball League Championship



## **Build a Learning Organization**

### **Inner training + External training**



#### **Management Skills Training**





All-staff Learning

**New Employee Orientation** 

## **Diverse and Colorful Employee Activities**



**International Women's Day** 



**Team Building Trip** 



### **Dragon Boat Festival**



#### **Guan Dan Competition**

#### **Entertainment Sports Event**



**Annual Gala** 



## **Charity Event**





Charitable Education Support for Impoverished College Students



Awarded as "Nanjing Advanced Unit in Philanthropy" No. 22 Huixin Road Intelligent Manufacturing Industrial Park Jiangbei New Area, Nanjing City, China Web: www.arit.cn Phone: +86 025 5767 5555 +86 18952055898



Wechat Official Accounts



VR Code to online visit to ARIT

