



Products and Services

产品与服务

ZQSOFT Practice in Intelligent Manufacturing
鑫海智桥智能制造实践

ZQSOFT CO., LTD.
鑫海智桥信息技术有限公司

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1 BRIEF INTRODUCTION / 公司介绍

1.1 About us / 关于我们

ZQSOFT was founded in 2002. For over 20 years, it has consistently adhered to the development philosophy of "creating new value for customers". The forward-looking concept, advanced technology, and high-quality service of ZQ Soft have won the trust of customers, and ZQSOFT achieve growing into a leader in the field of intelligent manufacturing systems in China.

ZQSOFT has passed ISO9001, ISO2000, ISO27000, CMMI and other system certifications, with more than 70 independent intellectual property rights. Its products comply with ANSI/ISA-95 international standards and have won honors such as national, provincial and municipal excellent industrial software products, excellent innovative enterprises, specialized and new technologies, and excellent innovative practices in China's intelligent manufacturing. And has undertaken 7 national pilot demonstration projects of the Ministry of Industry and Information Technology, and has been selected as a national demonstration project for four consecutive times to serve customers.

鑫海智桥成立于2002年。20余年来始终坚持以“为客户创造新的价值”为发展理念。鑫海智桥以前瞻的理念、先进的技术和优质的服务赢得了客户的信赖,智桥软件正快速成长为国内智能制造系统领域的引领者。

鑫海智桥通过ISO9001、ISO2000、ISO27000、CMMI等体系认证,拥有70余项自主知识产权、产品符合ANSI/ISA-95国际标准、多次荣获国家、省、市优秀工业软件产品、优秀创新企业、专精特新技术、中国智能制造优秀创新实际等荣誉。并承建7个国家工信部试点示范项目、服务客户连续四次入选国家示范项目。

■ Sub company :

- Dalian R&D Center
- Shandong Subsidiary
- Nanjing Subsidiary

■ Regional office:

- Qingdao
- Xi'an
- Hefei

■ Overseas service station:

- Thailand
- Vietnam
- Morocco
- Cambodia

■ 分子公司 :

- 大连研发中心
- 山东子公司
- 南京子公司

■ 区域办事处:

- 青岛
- 西安
- 合肥

■ 海外服务站:

- 泰国
- 越南
- 摩洛哥
- 柬埔寨

1.2 Qualification / 企业资质



CREDIF GREADE AAAAA

The company's credit rating is 5A
(the highest level)

信用等级 AAAAA

公司的信用等级为5A级
(最高级别)



High and New Tech Enterprises

Level: National level

高新技术企业

级别: 国家级

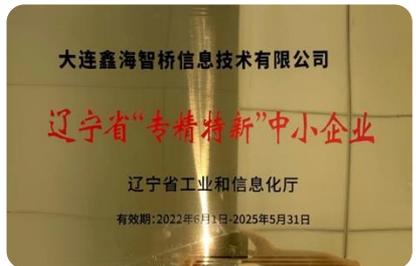


Soft Enterprise

The enterprise meets the Software
Enterprise Evaluation Standards
(T/SIA002-2019)

软件企业

企业符合《软件企业评估标准》
(T / SIA002-2019)



Provincial specialized and innovative enterprise

Certification : Department of Industry
and Information Technology of
Liaoning Province

“专精特新” 企业

辽宁省工业和信息化厅认证



Industrial Internet pilot demonstration

Department of Industry and
Information Technology of the
People's Republic of China

工业互联网试点示范

中华人民共和国工业和信息化部

1.3 Certification / 体系认证



ISO 9001 Quality Management System Certification

The management system complies with GB/T19001-2016 / ISO 9001: 2015 standard

ISO 9001 质量管理体系 认证

管理体系符合 GB/T19001-2016 / ISO 9001:2015 标准



CMMI Qualification Certification

Benchmark evaluation based on CMMI development model version 2.0 (excluding supplier agreement management)

CMMI资质认证

依据CMMI开发模型2.0版本(不含供应商协议管理)的基准评估



ISO 20000 Certification of Information Technology Service Management System

The management system complies with ISO/IEC20000-1: 2018 standard

ISO 20000 信息技术服务 管理体系认证

管理体系符合 ISO/IEC20000-1:2018 标准



ISO 27001 Information Security Management System Certification

The management system complies with GB/T22080-2016 / ISO / IEC27001: 2013 standard

ISO 27001 信息安全管理 体系认证

管理体系符合 GB/T22080-2016 / ISO / IEC27001:2013 标准

1.4 Enterprise Honor and Government Endorsement / 企业荣誉 政府背书

- 2025 Expert for the compilation of the "13th Five-Year Plan" development strategy for China's rubber industry
- 2025 Member unit of Dalian Artificial Intelligence Industry Association
- 2024 Excellent IoT Solution of the Ministry of Industry and Information
- 2024 AIGC Large Model Committee Member Unit
- 2024 Dalian Excellent Software Products
- 2023 Dalian Industrial Software Leading Enterprise
- 2023 Dalian Industrial Metaverse Committee Unit
- 2023 Dalian Good Products - Intelligent Manufacturing MOM Platform
- 2022 Industrial Internet Pilot Demonstration Platform
- 2022 MIIT Industrial Internet APP Excellent Solution
- 2022 Ministry of Industry and Information Technology Service oriented Manufacturing Demonstration Platform
- 2022 Provincial Service oriented Manufacturing Demonstration Platform
- 2022 Provincial Key Cultivation Industrial Internet Platform
- 2022 Provincial "Specialized, Refined, Unique and New" Small and Medium sized Enterprises
- 2022 Provincial "Specialized, Refined, Unique and New" Products
- 2022 Provincial Science and Technology oriented Small and Medium sized Enterprises
- 2021 Excellent products in the software industry for the past 20 years
- 2021 Big Data Enterprises in the Software and Information Technology Services Industry
- 2020 Excellent Supplier for Customer Satisfaction in the Automotive Industry
- 2019 Excellent solution of MIIT industrial Internet APP
- 2019 Outstanding Innovative Enterprise
- 2018 Core competitive enterprises in the software and information technology service
- 2018 Outstanding Innovative Enterprise
- 2018 Best Partner of Valin
- 2018 China Excellent software products;
- Has undertaken several renowned universities and government projects, including Tsinghua University, Beijing University of Posts and Telecommunications, Donghua University, and Dalian University of Technology;
- 2025 中国橡胶行业“十五五”发展规划编专家
- 2025 大连市人工智能产业协会会员单位
- 2024 工信部物联网优秀解决方案
- 2024 AIGC大模型委员会委员单位
- 2024 大连优秀软件产品
- 2023 大连工业软件领军企业
- 2023 大连工业元宇宙委员单位
- 2023 大连好产品-智能制造MOM平台
- 2022 工信部工业互联网试点示范平台
- 2022 工信部工业互联网APP优秀解决方案
- 2022 工信部 服务型制造示范平台
- 2022 省级服务型制造示范平台
- 2022 省级重点培育工业互联网平台
- 2022 省“专精特新”中小企业
- 2022 省“专精特新”产品
- 2022 省科技型中小企业
- 2021 软件产业20年优秀产品
- 2021 软件和信息技术服务业大数据企业
- 2020 汽车行业用户满意优秀供应商
- 2019 工信部工业互联网APP优秀解决方案
- 2019 年优秀创新企业
- 2019 软件技术服务业核心竞争力企业
- 2018 年优秀创新企业;
- 2018 年华菱最佳合作伙伴;
- 2018 年中国优秀软件产品;
- 曾先后多次承担清华大学、北京邮电大学、东华大学、大连理工大学等知名学府及政府项目;



清华大学
Tsinghua University



北京邮电大学
BEIJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS



东华大学
DONGHUA UNIVERSITY



大连理工大学
DALIAN UNIVERSITY OF TECHNOLOGY

1.5 Independent intellectual property rights / 独立自主知识产权

More than 70 independent copyrights to better meet customers' customized needs

70余项独立自主著作权, 更好的满足客户定制化需求

The product portfolio covers over 80% of application scenarios in the manufacturing industry, including intelligent manufacturing MOM platforms, MES systems, WMS systems, equipment digital management platforms (EAM), equipment data acquisition platforms (IOT), energy and environmental monitoring systems (EMS), and APS advanced scheduling systems

产品群覆盖了制造业80%以上应用场景, 包含智能制造MOM平台、MES系统、WMS系统、设备数字化管理平台(EAM)、设备数据采集平台(IOT)、能源环境监控系统(EMS)以及APS高级排产系统等。



Copyright of MES Products



Copyright of AI Products



Copyright of APS Products



Copyright of MOM Products



Copyright of LIMS Products



Copyright of WMS Products

序号	软件全称	版本号	登记号	登记日期
1	智桥供应商管理SRM系统	V3.0	2025SR2153980	2025-11-05
2	KD出口业务管理系统	V1.0	2025SR2135107	2025-11-03
3	智能运营管理平台	V2.0	2025SR1534648	2025-08-14
4	企业数据共享平台及大模型AI应用系统	V1.0	2025SR0114146	2025-01-17
5	LIMS实验室管理系统	V1.0	2024SR2038997	2024-12-10
6	数字化运营平台	V3.0	2024SR1792279	2024-11-14
7	智能排产APS系统	V5.0	2023SR1688889	2023-12-20
8	精利看板管理平台	V1.0	2023SR1605609	2023-12-11
9	精英企业级看板软件	V1.0	2023SR1605665	2023-12-11
10	智能制造WMS系统	V5.0	2023SR1122511	2023-09-20
11	智能制造MES系统	V5.0	2023SR0888769	2023-08-02
12	智能制造MOM平台	V6.0	2023SR0681822	2023-06-16
13	智桥设备数字化管理平台(EAM)	V3.0	2023SR0214893	2023-02-09
14	智桥设备备件管理系统	V1.0	2022SR1554638	2022-11-21
15	鑫海智桥制造执行系统	V8.0	2022SR1399907	2022-10-12
16	智桥制造运营管理平台(MOM)	V3.0	2022SR1379954	2022-09-28
17	智慧物流云平台	V1.0	2021SR1795088	2021-11-18
18	HDS数字化管理平台	V1.0	2021SR1795089	2021-11-18
19	鑫海智桥连锁运营信息管理系统	V2.0	2021SR1313197	2021-09-02
20	智桥企业运营系统EOS	V1.0	2021SR1305623	2021-09-01
21	鑫海智桥云制造执行系统	V8.0	2021SR1288787	2021-08-30
22	工业互联网数字化管理平台MOM	V1.0	2021SR0733771	2021-05-20
23	智桥高级排产管理系统(APS)	V1.0	2020SR1783734	2020-12-10
24	智桥分布式数控程序管理系统(DNC)	V2.0	2020SR1781174	2020-12-10
25	智桥制造运营管理平台(MOM)	V2.0	2020SR1781035	2020-12-10
26	项目管理系统(PMS)	V3.0	2020SR1783736	2020-12-10
27	客户关系管理系统(CRM)	V3.0	2020SR1783735	2020-12-10
28	智桥设备数据采集平台(MDC)	V3.0	2020SR1729273	2020-12-03
29	产品全生命周期管理系统(PLM)	V1.0	2020SR1729274	2020-12-03
30	智桥工业互联网MOM平台	V1.0	2020SR0728026	2020-07-06
31	鑫海智桥制造执行系统	V7.0	2020SR042053	2020-07-07
32	鑫海智桥供应商管理系统平台	V1.0	2020SR0124534	2020-02-10
33	鑫海智桥信息管理系统	V1.0	2019SR1226756	2019-11-28
34	鑫海智桥企业资产管理系统	V1.0	2019SR0968243	2019-09-18
35	数字工厂管理平台	V3.0	2019SR0809111	2019-08-05
36	鑫海智桥实验室信息管理系统	V1.0	2019SR0769899	2019-07-24
37	鑫海智桥设备管理系统	V1.0	2019SR0322848	2019-04-11
38	鑫海智桥信息化管理平台	V6.0	2019SR0024239	2019-01-08
39	生产线监控系统	V5.0	2019SR0004634	2019-01-02
40	鑫海智桥制造执行系统	V6.0	2018SR1039911	2018-12-19
41	鑫海智桥智能制造质量监控系统	V5.0	2018SR079488	2018-01-31
42	鑫海智桥信息化管理平台	V5.0	2018SR079249	2018-01-31
43	鑫海智桥数据采集与控制系统	V3.0	2018SR079998	2018-01-31
44	鑫海智桥移动应用平台AnyMES	V1.0	2018SR079990	2018-01-31
45	矿用钻孔轨迹测量仪通讯软件	V1.0	2018SR054524	2018-01-23
46	鑫海智桥生产绩效管理信息系统	V1.0	2018SR017569	2018-01-08
47	鑫海智桥生产技能管理系统	V1.0	2018SR017556	2018-01-08
48	鑫海智桥制造现场管理系统MOP	V1.0	2018SR015482	2018-01-08
49	鑫海智桥能源环境监控系统	V1.0	2017SR630479	2017-11-16
50	半钢预备胎面自动排产软件	V1.0	2017SR630474	2017-11-16
51	鑫海智桥智能工厂系统	V6.0	2017SR494688	2017-09-07
52	售后管理系统	V1.0	2017SR478209	2017-08-30
53	鑫海智桥立体库接口管理系统	V1.0	2017SR124372	2017-04-19
54	鑫海智桥仓库管理系统	V3.0	2017SR123631	2017-04-18
55	鑫海智桥工器具条码管理系统	V1.0	2016SR185743	2016-07-19
56	鑫海智桥仓库管理系统	V1.0	2016SR050019	2016-03-10
57	鑫海智桥信息化管理平台	V3.0	2015SR126510	2015-07-07
58	鑫海智桥商桥制造执行系统	V3.0	2015SR126085	2015-07-07
59	鑫海智桥第三方物流管理系统	V5.0	2015SR125495	2015-07-07
60	鑫海智桥生产物流监控系统软件	V5.0	2015SR126516	2015-07-07
61	鑫海智桥装配防错及可追溯平台系统	V5.0	2015SR126521	2015-07-07
62	鑫海智桥制造执行系统	V3.0	2015SR126141	2015-07-07
63	鑫海智桥制造数据采集软件	V5.0	2015SR119439	2015-06-30
64	鑫海智桥制造数据采集系统软件ZQ_MDC	V3.0	2014SR066763	2014-05-26
65	鑫海智桥拧紧数据采集系统软件ZQ_TAS	V3.0	2014SR066764	2014-05-26
66	鑫海智桥生产物流监控系统软件ZQ_LMS	V1.0	2014SR064741	2014-05-22
67	鑫海智桥电子标签拣放系统DPS	V3.0	2014SR032623	2014-03-21
68	鑫海智桥装配防错及可追溯平台系统	V3.0	2014SR032625	2014-03-21
69	鑫海智桥第三方物流管理系统ZQ_TPL	V3.0	2014SR032624	2014-03-21
70	鑫海智桥信息化管理平台	V1.0	2012SR084732	2012-09-07
71	鑫海智桥制造执行系统	V3.0	2012SR084670	2012-09-07
72	鑫海智桥物流管理系统(简称:鑫海智桥物流)	V1.0	2002SR11117	2002-07-11

1.6 Customer Reviews / 客户评价



Customer reviews in the tire industry 轮胎行业资质及荣誉

ZQSOFT has joined the "China Rubber Industry Association" and become a member of the Tire Branch

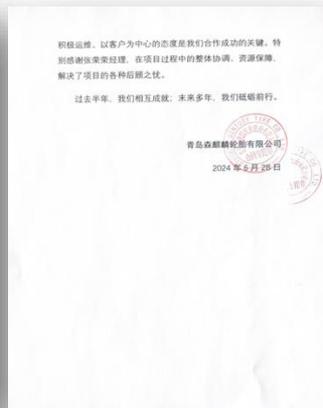
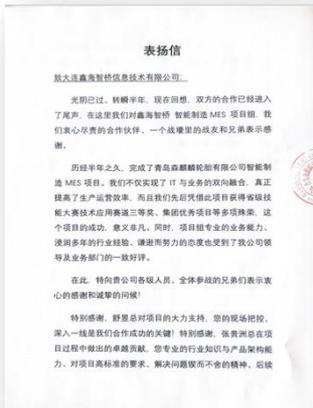
公司加入“中国橡胶工业协会”并成为轮胎分会会员单位

Customer Commendation Letters and Customer Service Satisfaction Survey in the Tire Industry

轮胎行业客户表扬信及 客户服务满意度调查

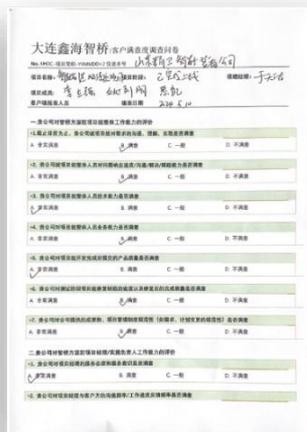
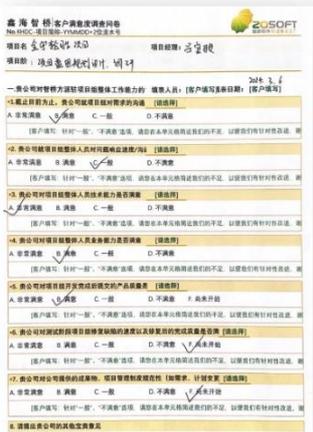
ZQSOFT's MES system has enabled Sentury tires to be selected as a demonstration project by the Ministry of Industry and Information Technology for **four consecutive times**.

ZQSOFT的MES系统，**连续4次**使Sentury轮胎入选国家工信部示范项目



Customer good execution certificate from Qingdao Sentury Tire

来自青岛森麒麟轮胎客户的表扬信



Customer satisfaction rate in the tire industry is over 98%

轮胎行业客户实施满意度为98%以上

Honors from clients in other industries

其他行业客户授予荣誉

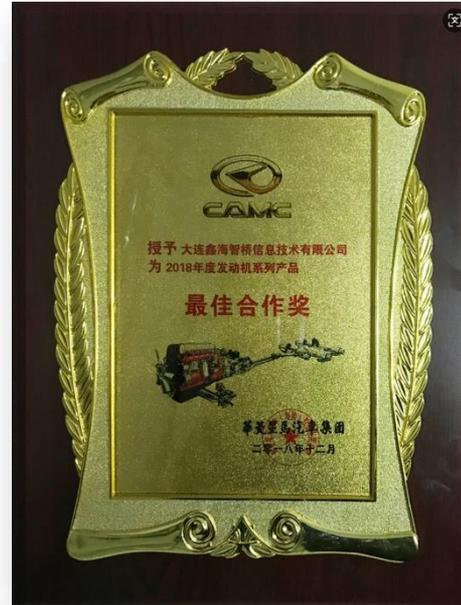
ZQSOFT was awarded the title of Excellent Supplier by the customer

鑫海智桥荣获客户授予《优秀供应商》



ZQSOFT was awarded the title of 《Best Collaboration Award》 by the customer

鑫海智桥荣获客户授予《最佳合作奖》



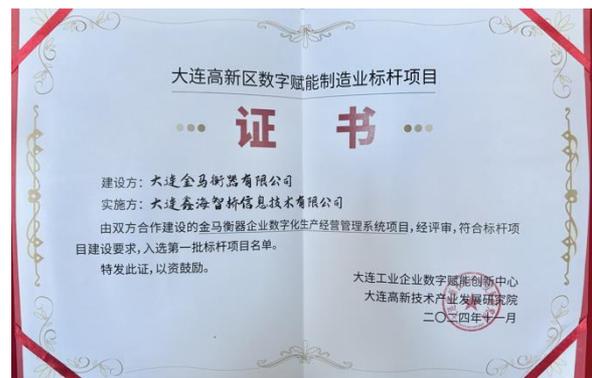
ZQSOFT has been awarded the title of Excellent Supplier for Customer Satisfaction in the Automotive Industry

鑫海智桥荣获汽车行业用户满意优秀供应商



Together with customers in the mechanical parts manufacturing industry, it won the "Digital Empowerment Manufacturing Benchmark" project

同机械零部件制造行业客户一同荣获“数字赋能制造业标杆”项目



ZQSOFT won the "Excellent Supplier" in the plastic processing industry

鑫海智桥荣获塑料加工行业《优秀供应商》



ZQSOFT won the "Excellent Supplier Award" in the selection of government procurement awards

鑫海智桥在政府采购奖荣获《优秀供应商奖》



ZQSOFT won the "2017 Excellent Supplier" by customers

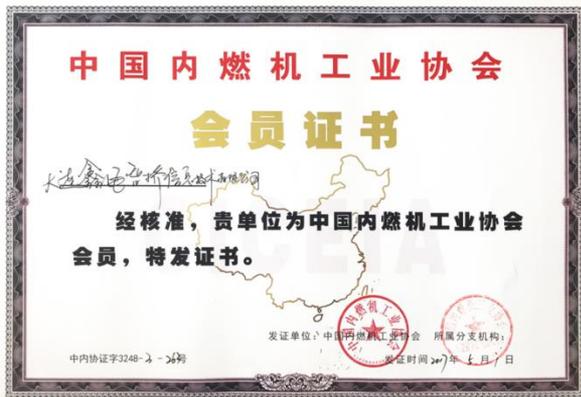
鑫海智桥荣获客户《2017年度优秀供应商》



ZQSOFT was awarded the "Excellent Supplier" by customers in the machinery industry

鑫海智桥荣获机械行业授予《优秀供应商》





ZQSOFT entered the internal combustion engine industry and was successfully selected into the "China Internal Combustion Engine Industry Association"

Invited to attend industry conferences /forums and give important speeches

受邀参加行业会议/论坛，并发表重要演讲

ZQSOFT was invited to participate in the 2022 "ATC Automotive Intelligent Manufacturing Technology Week" and gave a keynote speech at the conference "Group MOM Platform, New Thinking and New Technology Application".

鑫海智桥受邀参加2022“ATC汽车智能制造技术周”并在大会上进行主题演讲《集团化MOM平台-新思维 新技术应用》



ZQSOFT was invited to participate in the "Intelligent + High-end Biomedical Summit Forum", was invited to participate in the signing ceremony of strategic cooperation, and shared its experience at the "Artificial Intelligence Empowering Biomedical Industry" industry frontier exchange symposium.

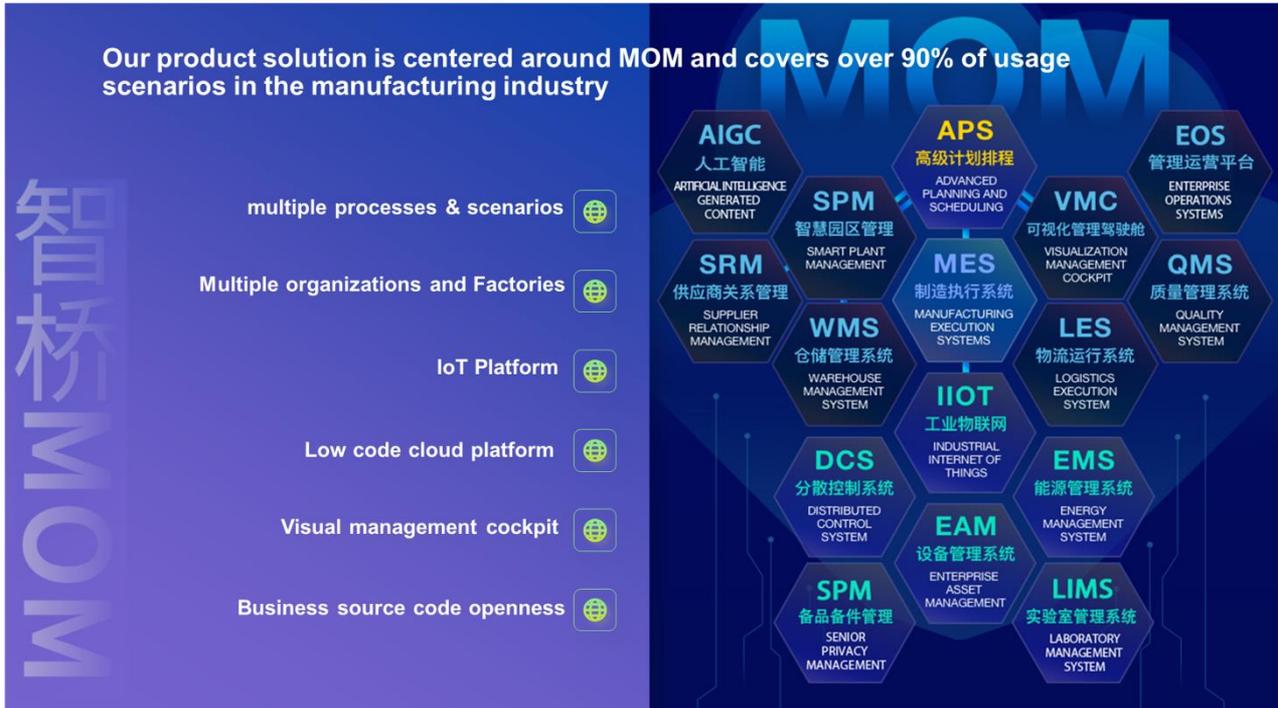
鑫海智桥受邀参加“智能+高端生物医疗高峰论坛”，受邀参加战略合作签约仪式，并在“人工智能赋能生物医疗产业”行业前沿交流座谈会上进行经验分享。



2 Product Introduction / 产品介绍

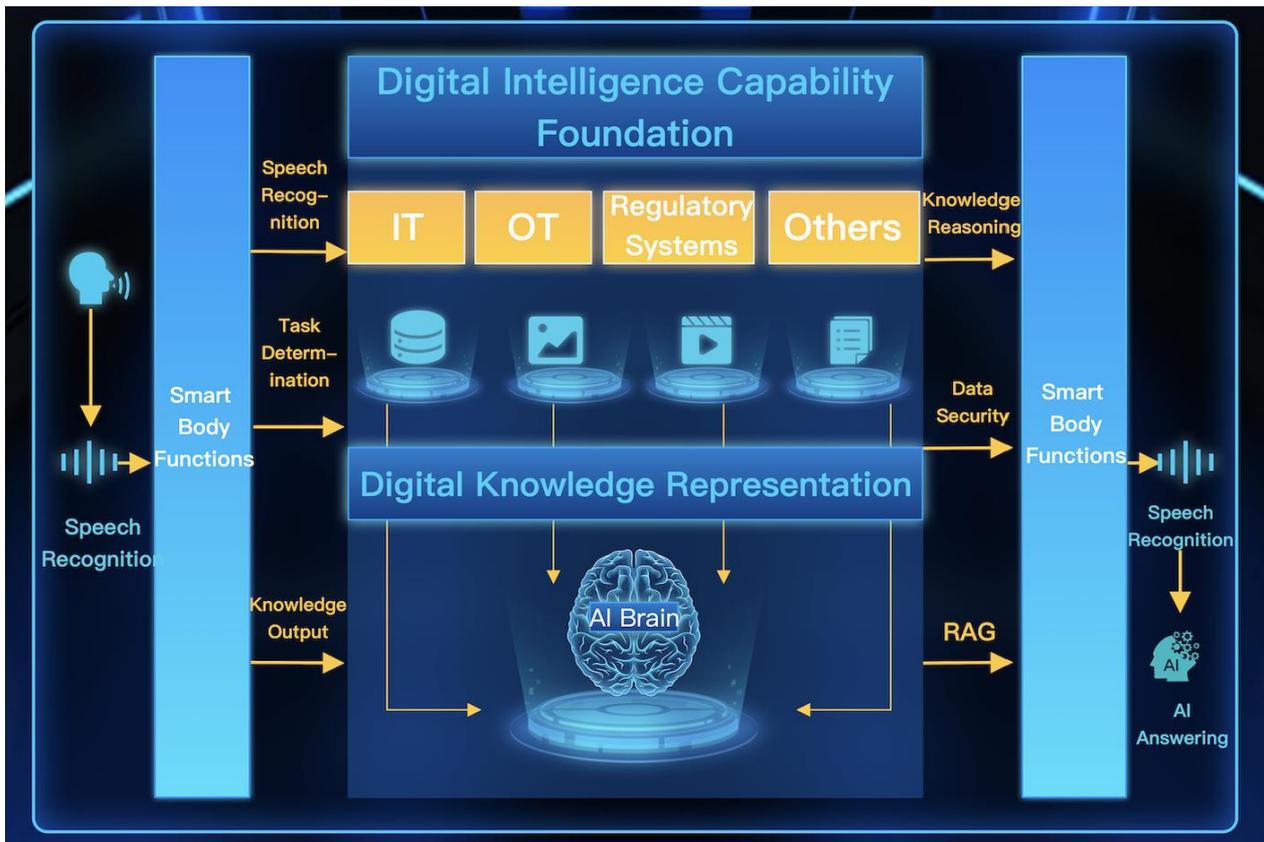
Our product is centered around MOM and covers over 90% of scenarios in the manufacturing industry

我们的产品以MOM为核心，覆盖制造业90%以上使用场景



Enterprise data sharing and large model AI application platform.
Digital and intelligent integration, AI-driven.

企业数据共享及大模型AI应用平台。数智融合，AI驱动。



2.1 Platform & application products / 平台与应用产品



Manufacturing Operations Management

ZQ MOM's digital factory architecture aims to build a digital factory that leads in 5 years and remains up-to-date in 10 years. It is a product of the upgrading of manufacturing management concepts, truly achieving the best technology for full business coverage and multi-factory collaboration.

MOM 制造运营平台

ZQ MOM数字化工厂架构打造5年领先、10年不落伍的数字化工厂。是制造管理理念升级的产物，真正实现全业务覆盖、多工厂协同的最佳技术。



Internet of Things

Provide massive device access, data reporting, command issuance, remote firmware upgrade, terminal device access election, dynamic load adjustment, etc. The platform provides model settings, linkage rule editing, data storage and parsing.

IoT 工业物联网平台

提供海量设备接入、数据上报、命令下发和固件远程升级，终端设备接入选举，动态调整负载等。平台提供模型设置、联动规则编辑、数据存储与解析。



Enterprise Operations Systems

Focus on five major goals: safety, quality, production, personnel, and cost. Empower all employees to participate, standardize operations, eliminate seven major wastes, shorten manufacturing cycles, and continuously improve. Achieve lean and intelligent manufacturing for the enterprise.

EOS 精益管理平台

关注安全、质量、生产，人员和成本五大目标。赋能全员参与、标准化作业、消除七大浪费、缩短制造周期和持续改进。实现企业精益智造。



AI application

Through in-depth analysis and learning of data, AI platforms form an enterprise knowledge base, providing intelligent Q&A services for employees and intelligent decision analysis support for management.

AI-M 智能制造平台

通过对数据进行深度分析和学习，AI平台形成企业知识库，为员工提供智能问答服务，为管理层提供智能决策分析支持。



Data middle ground

The data middle ground integrates production, quality, logistics and other data, and centrally manages them to ensure data consistency and accuracy. At the same time, in-depth insights into data assist decision-making, improve operational efficiency, and monitor equipment in real-time. Moreover, promoting data sharing and collaboration enables effective sharing of data and collaborative work between internal departments and external partners.

数据中台

数据中台整合生产、质量、物流等数据，集中管理确保数据一致准确。同时，深入洞察数据助力决策，提升运营效率，实时监控设备。并且，促进数据共享与协作，无论是企业内部部门间，还是和外部伙伴，都能有效共享数据协同工作。

2.2 ZQSOFT products / 智桥产品



Manufacturing Execution System

To achieve bidirectional docking from equipment to management platform, effective integration of IT&OT, while achieving goals such as production process management, quality improvement and traceability, and production efficiency improvement, it helps enterprises synchronize real-time logistics, information flow, and logistics, make manufacturing sites transparent, support enterprise decision-making, control and reduce production costs, and improve operational efficiency.

制造执行系统 MES

实现从设备到管理平台的双向对接，IT&OT的有效融合，在完成生产过程管理、质量提升及追溯、生产效率提升等目标的同时，帮助企业在实物流、信息流、物流的实时同步，透明化制造现场，支持企业决策，控制并降低生产成本，提升企业运营效率。



Advanced Planning & Scheduling

Refine and plan the production plan, accurately matching resources and time nodes for each process. Based on this, optimize on-site scheduling, build a real-time data monitoring platform, and accurately control key information such as material inventory and equipment status. Anticipate the risk of material shortage in advance, ensure production continuity, and eliminate potential downtime.

智能排产系统 APS

对生产计划进行精细化拆解与规划，为每一道工序精准匹配资源与时间节点。以此为基础优化现场调度，搭建实时数据监测平台，对物料库存、设备状态等关键信息精准掌控。提前预知物料短缺风险，确保生产连续性，杜绝停顿隐患。



Warehouse Management System

Simultaneously supporting various types of warehousing needs in the supply chain, creating a global, transparent, and visual system for the entire chain, avoiding risks from the source, and increasing security.

仓储物流管理 WMS

同时支持供应链上各种类型的仓储需求，打造整个链条的全局化、透明化、可视化，从源头上规避风险，增加保障。



Quality Management System

By combining advanced quality management concepts, integrating, abstracting, and improving through information technology integration methods, means, and technologies, we aim to transform quality management from traditional methods into an advanced, concrete, standardized, systematic, excellent, and intelligent quality management model.

质量管理体系 QMS

结合先进的质量管理思想，进行综合、融汇、抽象、提升，通过信息技术整合的方法、手段和技术，使质量管理从传统方法变为一种先进的、具体的、规范的、系统的、优秀的、智能的质量管理模式。

2.2 ZQSOFT products / 智桥产品



Laboratory Information Management System

ZQ LIMS, Build a compliant, efficient, secure, and intelligent modern laboratory to meet the LIMS needs of various industries and improve personnel efficiency.

实验室信息管理系统 LIMS

ZQ LIMS, 搭建合规、高效、安全、智能的现代化实验室, 满足各种行业的需求LIMS, 提高人员的工作效率。



Supplier Relationship Management

Improve relationships with upstream suppliers and collaborative supporting manufacturers in the supply chain, and establish a win-win enterprise management platform by fostering long-term and close business relationships with suppliers.

供应商管理平台 SRM

改善与供应链上游供应商、协作配套厂商的关系, 通过与供应商建立长期、紧密的业务关系, 实现双赢的企业管理平台。



Logistics Execution System & Digital Picking System

The intelligent logistics scheduling and control process seamlessly connects the complex links of internal and external logistics, achieving a system that improves the overall logistics efficiency of the factory. Efficiently delivering the right materials to the right workstations at the right time and in the right way.

物流管理系统 LES & DPS

智能物流调度与控制过程, 将内外物流的复杂环节无缝衔接, 达到提高整个工厂物流效率的系统。高效实现在正确的时间, 将正确的物料通过正确的方式送到正确的工位。



Enterprise Asset Management

Provide massive device access, data reporting, command issuance, remote firmware upgrade, terminal device access election, dynamic load adjustment, etc. The platform provides model settings, linkage rule editing, data storage and parsing.

设备管理系统 EAM

通过提高企业资产的运行可靠性与使用价值、降低维护与维修成本, 从而提高企业整体运行质量、降低总体成本, 既两个目标提高设备综合效率, 降低设备全生命周期费用。



Spare Parts Management

A software application based on intelligent terminals and network technology, which uses various technical means such as QR code technology, radio frequency technology, and camera scanning to achieve unified management of enterprise spare parts, including functions such as spare parts warehousing, outbound, query, and statistics.

备品备件管理 SPM

一款基于智能终端与网络科技的应用软件, 通过二维码技术、射频技术、摄像扫描等多种技术手段, 实现对企业备品备件进行统一管理, 包括备品备件入库、出库、查询及统计等功能。

2.2 ZQSOFT products / 智桥产品



Energy Management System

One stop centralized monitoring of energy consumption data for water, electricity, gas, cooling, heating, etc., conducting sub item measurement, multi-dimensional analysis and statistics, and energy-saving control of energy consuming equipment; Provide effective data support for energy conservation and consumption reduction research, design, and construction.

能源管理系统 EMS

一站式集中监测水、电、气、冷、热等能耗数据，对用能设备进行分项计量、多维度分析统计、节能控制；为节能降耗研究、设计与建设提供有效数据支撑



Tire Distribution System

Build a digital high-speed pathway from the factory to the end-user, deeply cultivate internal management within the enterprise, and achieve business-finance integration and lean operations. Establish a core system to empower the core competitive advantage of tire distribution.

轮胎分销系统 TDS

构建从工厂到终端的数字化高速通路，深耕企业内部管理，实现业财融合与精益运营。构建核心体系，赋能轮胎分销核心竞争优势。



Energy Management System

Seamlessly connect tire manufacturers (suppliers), brand service headquarters, offline service stores, and end-user car owners, covering the entire business scenario from production, distribution, warehousing, service to after-sales.

轮胎零售系统 TRS

无缝连接轮胎制造商（供应商）、品牌服务总部、线下服务门店和终端车主，覆盖从生产、分销、仓储、服务到售后的全业务场景。



ETL/MDC/ESB & SCADA

Realize real-time or periodic data integration, provide unified analysis and query capabilities, and enable data integration for new businesses. It is a data bridge between multiple systems in enterprises and can also serve as a hub for data processing on production lines.

分布式控制系统 DCS

实现实时的或者周期性数据整合，提供统一的分析查询和新业务的数据对接能力。是企业多系统之间的数据桥梁，也可以做生产线数据处理枢纽。



Distribution Management System

Empowering the digital upgrade of the entire distribution chain

分销管理系统 DMS

赋能分销全链路数字化升级

2.3 Consultation & Service / 咨询与服务



Intelligent factory consulting planning

Comprehensive coverage from intelligent manufacturing planning, to software implementation and deployment, hardware integration, and the ultimate realization of digital business value.

智能工厂咨询规划

从智能制造规划、到软件实施部署、硬件集成、数字化业务价值的最终实现全面覆盖。



Management Cockpit

Digital twin + AI technology deeply explores the value of data. It achieves transparency and visualization throughout the entire production process, making the basis for manufacturing decisions more detailed, the decision-making process more intuitive, and the decision-making results more reasonable.

工业大数据分析

数字孪生+AI技术，深挖数据价值。实现生产全过程的透明化、可视化，使制造决策依据更详实、决策过程更直观、决策结果更合理。



Digital twin

Digital twin technology, deeply exploring the value of data. Realize transparency and visualization of the entire production process, making manufacturing decision-making more detailed, the decision-making process more intuitive, and the decision-making results more reasonable.

数字孪生

数字孪生技术，深挖数据价值。实现生产全过程的透明化、可视化，使制造决策依据更详实、决策过程更直观、决策结果更合理。

3 Core advantages of the enterprise / 企业核心优势

3.1 Highlight of Solution / 方案亮点

1. industrial intelligence brains

Information recorded in the equipment list seems limited. Firstly, we strongly recommend Qingdao Sentury Tire to establish a coding convention for equipment installed in the workshop. This would ease communication within the company in each maintenance work process (preventive activities, fault report, failure analysis, ..). A good equipment convention would include the location and the class of the asset, helping people to visualise where it is and what it is.

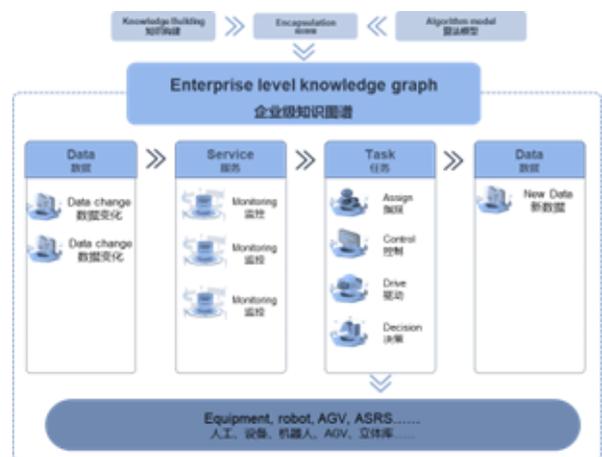
Mechanism of industrial intelligence brain



1.工业智慧大脑的引入

我们帮助客户摒弃了传统工厂依赖人工单据驱动的模式，通过引入工业智慧大脑，全面且精准地处理生产事务中的各个环节。从原材料的精准调配，到生产流程的无缝衔接，再到成品的质量检测，均由工业智慧大脑高效把控，最大程度减少人为误差与时间损耗，从而实现高效智能生产，不仅大幅提升了产品的产出效率与质量稳定性，还为企业在激烈的市场竞争中赢得了显著的优势。

工业智慧大脑工作机制

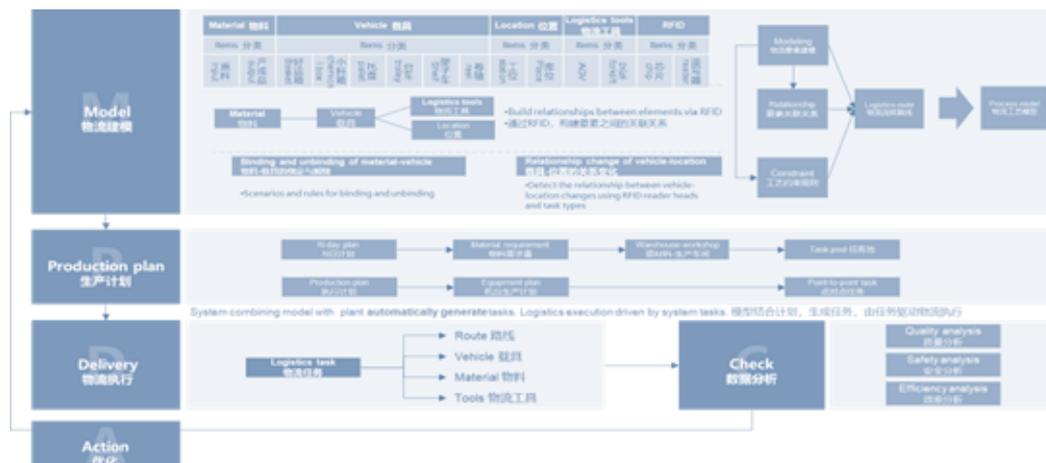


2 . Application of MPDCA concept

Through the MPDCA concept, a production management system is constructed, with a focus on strengthening the pre production control process and establishing a comprehensive and refined prevention mechanism to proactively control potential production abnormalities.

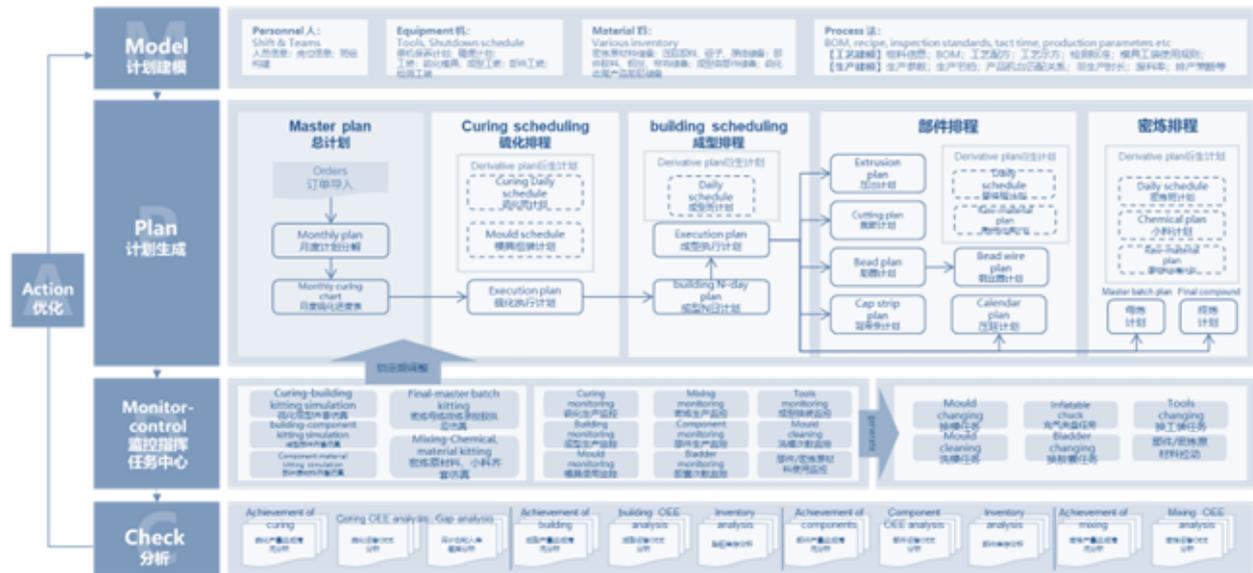
2 .MPDCA理念的应用

通过MPDCA理念，构建生产管理体系，着重强化产前控制环节，构建起一套全面且精细的预防机制，针对可能出现的生产异常状况进行全方位的前瞻性把控；保障生产连续性与品质的稳定性。



3. Innovation in Production Scheduling

In the process of modern production management, we use intelligent production scheduling systems to accurately match resources and time nodes for each process. Based on this, optimize on-site scheduling and accurately control key information such as material inventory and equipment status. Anticipate the risk of material shortage in advance, ensure production continuity, and eliminate potential downtime hazards.



3. 生产排程与调度技术的革新

在现代化生产管理进程中，我们借助智能生产排程系统，为每一道工序精准匹配资源与时间节点。以此为基础优化现场调度，对物料库存、设备状态等关键信息精准掌控。提前预知物料短缺风险，确保生产连续性，杜绝停顿隐患。

4. Build a production command center

By integrating advanced information technology and using data collection systems, real-time and accurate information is captured for each production process, achieving centralized monitoring of the production process and capturing scattered production factors. At the same time, based on real-time data optimization scheduling strategies, efficient allocation of production resources is achieved, ensuring close collaboration and efficient operation of various production lines, greatly improving the synergy, accuracy, and efficiency of production management.

4. 打造生产指挥中心

整合先进的信息技术，通过数据采集系统，对各生产环节进行实时且精准的信息抓取，进而达成生产过程的集中监控，将分散的生产要素尽收眼底。同时，依据实时数据优化调度策略，实现生产资源的高效配置，确保各生产线紧密协同、高效运转，极大提升了生产管理的协同性、精准性和高效性。

01 生产指挥和调度
Production command and scheduling



03 多工厂集团化管理
Multi factory group management

04 绩效分析和可持续改进
Performance analysis and sustainable improvement

3.2 Rich customer implementation experience / 丰富的客户实施经验

1. Experience in the tire industry

ZQSOFT has been deeply involved in the tire industry for over ten years, facilitating the digital transformation of nearly 20 tire factories. From domestic factories to those in Thailand, Vietnam, Morocco, and Cambodia, we have accumulated rich project implementation experience.

1. 轮胎行业经验

鑫海智桥在轮胎领域深耕十余年，涉及到近20家轮胎工厂数字化转型。从国内工厂到泰国工厂、越南工厂、摩洛哥工厂、柬埔寨工厂。为我们积累了丰富的项目实施经验。



QINGDAO1
capacity : 5000K PCR
project cycle : 8 M
Content : MES, WMS



QINGDAO2
capacity : 10000K PCR
project cycle : 12 M
Content : MES, AS, WMS, APP, LIMS



Morocco
capacity : 12000K PCR
project cycle : 4 M
Content : MES, AS, SPM

2015

2016

2018

2020

2024



Thailand 1
capacity : 12000K PCR
project cycle : 18M
Content : MES, AS, WMS



Thailand 2
capacity : 8000K PCR&TBR
project cycle : 6 M
Content : MES, AS, WMS, SPM

MES、Raw Material WMS, Finished Product WMS, Advanced Scheduling, LIMS, APP Platform, Spare Parts System, Data Platform, Tire Large Model AI Application, Automotive Maintenance Chain Management System

MES、原材料WMS、成品WMS、AS排产、LIMS、APP平台、备品备件系统、数据中台、轮胎大模型AI应用、动力驿站连锁管理系统

2. Other typical customers

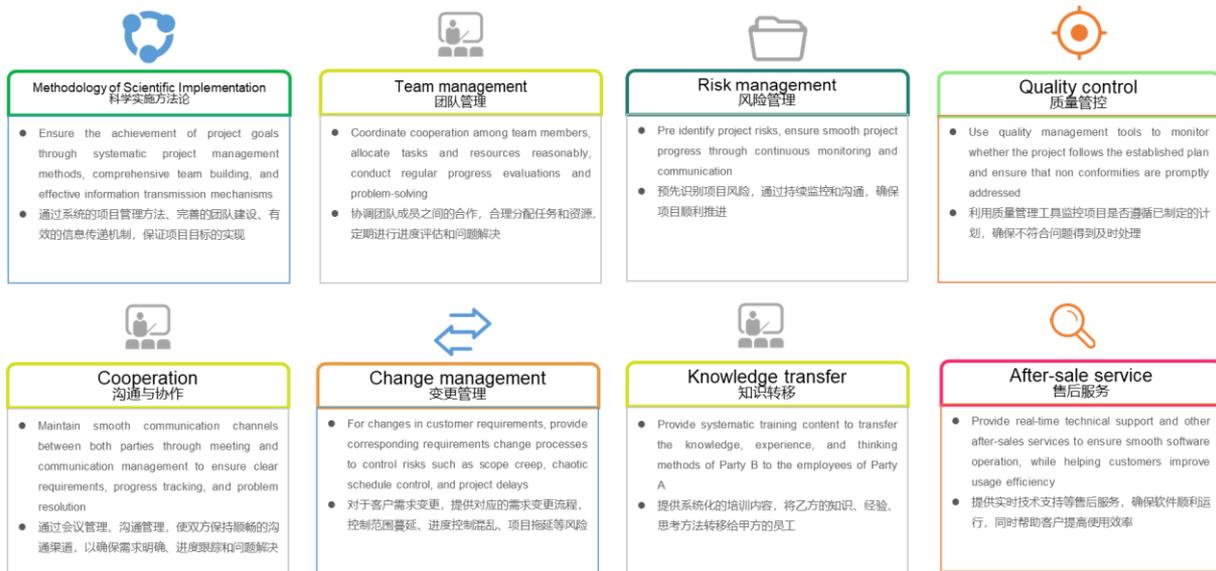
2. 其他典型客户



3.3 Scientific project implementation management / 科学的项目实施管理

Through systematic project management methods, implementation processes, comprehensive team building, effective monitoring methods, and information transmission mechanisms, the achievement of goals is ensured.

通过系统的项目管理方法、实施流程、完善的团队建设、有效的监控手段及信息传递机制，保证目标的实现。



3.4 Short implementation cycle / 实施周期短

Based on over 20 years of project implementation experience, ZQSOFT can quickly complete implementation research, data collection, system preparation, training, and online support work, Shorten the implementation cycle of customer projects.

基于20余年的项目实施经验，鑫海智桥可快速完成实施调研、数据收集、系统准备、培训和上线等支持工作，缩短客户项目实施周期。

3.5 Global Implementation Team / 海外实施团队

The ZQSOFTE implementation team has accumulated a stable and mature team of overseas project implementation personnel who are familiar with interdisciplinary knowledge, maintenance, and management through nearly 5 years of overseas project implementation in Thailand, Vietnam, Morocco and Cambodia.

In addition to providing customers with systems, there are also abundant "think tank resources" to provide customers with rich experience and planning services for the digital transformation of the tire industry

鑫海智桥实施团队，通过长达近5年的海外项目实施（泰国、越南、摩洛哥、柬埔寨）已积累了一批稳定且成熟的海外项目实施团队人员，熟悉跨学科知识、维护和管理。

除了能提供给客户系统以外，还有丰富的“智库资源”，为客户提供丰富的轮胎行业数字化转型经验及规划服务

3.6 VIC Platinum After sales Service / VIC(重要客户)铂金售后服务

VIC Platinum after-sales service, including but not limited to: **2 years free warranty service**, unlimited free training service (in the form of online meetings), **24/7 English hotline service**, more on-site technical or evaluation services, unlimited remote assistance service, etc.

VIC铂金售后服务，包括但不限于：**两年免费质保服务**、无限次免费培训服务（线上会议形式）、**7*24 英语热线服务**、多次现场技术或评估服务、无限制远程协助服务等

Create new value for customers!



ZQSOFT Co., Ltd.

T: 86 400-107-7178
F: 86 0411-84760835
E: Service@xhzq.com

English website : www.xhzqsoft.com

Chinese website : www.xhzq.com



WeChat QR code



EN website QR code