Annex:

BRICS Industry Innovation Contest 2024 Awarding List

Outstanding Contribution Award

1	National Innovation Center of Intelligent and Connected Vehicles
2	Genertec International Holding Co., Ltd.
3	China Association of Circular Economy
4	Nanjing University of Aeronautics and Astronautics
5	PV Committee of China Green Supply Chain Alliance PV Recycle Industry Development Center

First Prize

No	Project Name	Applicant	Contest Track
1	Network Large Model+AI Agents dual-engine empower China Unicom's innovative network optimization practice	China Unicom Intelligent Network Innovation Center	Artificial Intelligence-Large Language Models
2	Chemicals Consumption Reduction in Kraft Pulp Mill	ITC PSPD	Intelligent Manufacturing－Intelligent Equipment
3	Sodium-ion Battery Technology Enabled by Recycling Industrial Waste Salts	JIANGSU ZOOLNASM ENERGY TECHNOLOGY CO., LTD.	Green Industries－Low-carbon Technologies and Applications
4	Swift Genie: An innovative eVTOL	Innovative eVTOL Research Team	Low-altitude Economy-General Aviation
5	Sodium-ion energy storage batteries with	Institute of Physics,	Energy

	ten thousand long cycles	Chinese Academy of Sciences	Electronics—Photovoltaic and New Energy Storage

Second Prize

No	Project Name	Applicant	Contest Track
1	Cabin Multimodal Human-Machine Interaction System	iFLYTEK Co., Ltd.	Artificial Intelligence-Large Language Models
2	AI-Driven Asset Integrity Solutions	Vidya Technology	Artificial Intelligence-Large Language Models
3	High End Automatic Optics Inspection Equipment for The Semiconductor Industry	Shenzhen Vatop Semicon Tech Co.,Ltd	Intelligent Manufacturing—Intelligent Equipment
4	Research and Application of Key Technologies for High speed Intelligent multi-station Press line Stamping Equipment	Genertec Machine Tool Engineering Research Institute (Tianjin)CO.,LTD	Intelligent Manufacturing—Intelligent Equipment
5	Green, Low-Carbon, Energy-Efficient Machinery for Advanced Solid-Liquid Separation Technology and Equipment	Shandong Filter Environmental Protection Equipment Co.,Ltd.	Green Industries—Low-carbon Technologies and Applications
6	Pioneering new technology worldwide: Complete set of technical equipment for ultra-clean emission of industrial flue gas and preparation of nano-carbon	Beijing Kaiyuan Environmental Protection Technology Co.Ltd	Green Industries—Low-carbon Technologies and

No	Project Name	Applicant	Contest Track
			Applications
7	eVTOL "Winged Pegasus for Freshness" ——Leading the Way in Rapid Low-altitude Maritime Logistics	Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
8	Biohybrid system for humanitarian demining	Southern Federal University	Low-altitude Economy-General Aviation
9	High-performance PV modules promote desertification treatment	JA SOLAR Technology Co., Ltd	Energy Electronics—Photovoltaic and New Energy Storage
10	Research and Industrialization of laser intelligent equipment of photovoltaic modules	Huazhong University of Science and Technology	Energy Electronics—Photovoltaic and New Energy Storage

Third Prize

No	Project Name	Applicant	Contest Track
1	Development of a Hardware-Software Complex for Improving Bulk Crop Storage Processes Using Intelligent Data Analysis	RSAU-MTAA	Artificial Intelligence-Large Language Models
2	End-to-end Visual Navigation of Mobile Robots in Open Scenarios	Guangzhou Shiyuan Electronic Technology Company Limited	Artificial Intelligence-Large Language Models
3	AI Network Construction and Application for Pan-Family Scenarios	China Mobile (Hangzhou) Information Technology Co., Ltd	Artificial Intelligence-Large Language Models
4	Equipment Diagnostics Engineer Co-pilot	Equipment Diagnostics Engineer Co-pilot	Intelligent Manufacturing

			—Intelligent Equipment
5	Intelligent fire protection system of a new technological level	Intelligent fire protection system of a new technological level	Intelligent Manufacturing —Intelligent Equipment
6	The first application of automated marine workover rig technology and equipment in China	The first application of automated marine workover rig technology and equipment in China	Intelligent Manufacturing —Intelligent Equipment
7	Regeneration technique and equipment for spent LiFePO4 cathode materials	XIAMEN TUNGSTEN CO., LTD.	Green Industries— Low-carbon Technologies and Applications
8	Industrial implementation of advanced technologies and equipment for the resource reclamation and utilization of waste foundry sand	Chongqing Changjiang River Moulding Material (Group) Co., Ltd.	Green Industries— Low-carbon Technologies and Applications
9	Cement paste with Smart Particles doped with eco-friendly corrosion inhibitors	Universidade Federal do Rio de Janeiro	Green Industries— Low-carbon Technologies and Applications
10	A high-performance and low-cost turbo-electric propulsion system suitable for long-range, heavy-load and wide temperature range Low Altitude Vehicle	Dark Blue Turbo Dynamics (Liaoning) Co., Ltd.	Low-altitude Economy-General Aviation
11	DYNALANDER: Capaciting drones for tracking and takeoff/landing autonomously in dynamic environments	Federal University of Rio de Janeiro-COPPE	Low-altitude Economy-General Aviation

12	Forward-swept wing variable configuration VTOL UAV	Star-sea variable configuration aircraft design team	Low-altitude Economy-General Aviation
13	First-mover in ZBB-TOPCon Mass Production Module: ASTRO N7s	Astronergy	Energy Electronics－Photovoltaic and New Energy Storage
14	CdTe photovoltaic building materials products	Advanced Solar Power (Hangzhou) INC.	Energy Electronics－Photovoltaic and New Energy Storage
15	Aquapower	FRANCO VERNAZZA	Energy Electronics－Photovoltaic and New Energy Storage

Outstanding Project Reward

No	Project Name	Applicant	Contest Track
1	SHIYU Kun Chuan Industrial Large Model	ObjectEye(Beijing)Technology CO.,LTD	Artificial Intelligence-Large Language Models
2	Construction and application of NetOpsMate intelligent housekeeper system for Internet of things based on large model	China Mobile Communications Group Henan Co.,Ltd.	Artificial Intelligence-Large Language Models
3	"Ma Xiaoxiao" --Elderly care robot based on multimodal large language model	Mashang Consumer Finance Co,.Ltd.	Artificial Intelligence-Large Language Models
4	Development and promotion of Shiliu	Urumqi Silu　Wen Tong	Artificial

	Putonghua proficiency enhancement and evaluation software.	Network Technology Co., Ltd.	Intelligence-Large Language Models
5	"Intelligent Electric Eye" - Multi-modal Large Language Model Application for Intelligent Maintenance of Electrical Equipment	Xuchang Xuji Software Technology Co., Ltd	Artificial Intelligence-Large Language Models
6	The application of large models in industrial production scenarios-AI-driven Operations and Decision Control System	Shuhan Technologies Co., Ltd.	Artificial Intelligence-Large Language Models
7	Research and Application of a New Power Load Management System Based on Large Time Series Models	Tianmu Data(Fujian)Technology Co.,Ltd.	Artificial Intelligence-Large Language Models
8	AI + Large Models Empowering 5G to Enhance New Productivity Across Diverse Industries	China Mobile Zijin Innovation Institute	Artificial Intelligence-Large Language Models
9	CeCe: The LLM-powered Secretary	Inspur Communication Information System Co., Ltd	Artificial Intelligence-Large Language Models
10	PCB Industry Large Model and Application Based on Shanmou GPT	Guangzhou SIE Information Technology Co., Ltd	Artificial Intelligence-Large Language Models
11	A Large Language Model for Traditional Chinese Medicine	YUNNAN BAIYAO GROUP CO.,LTD	Artificial Intelligence-Large Language Models
12	LLM Enables Intelligent Operation and Maintenance of 5G Networks	China Mobile Group Shandong Co., Ltd.	Artificial Intelligence-Large Language

		Models
13	Large-Scale Model for Petrochemical Safety Production	PETROMENTOR INTELLIGENCE PRODUCTION TECHNOLOGY DEVELOPMENT (BEIJING) CO., LTD	Artificial Intelligence-Large Language Models
14	Multi-modal Large Models for Autonomous Driving	China Mobile(Shanghai) ICT Co.,Ltd.	Artificial Intelligence-Large Language Models
15	AI Synthetic Data and Simuation System for Intelligent Driving	GEELY AUTOMOBILE RESEARCH INSTITUTE(NING BO) CO.,LTD	Artificial Intelligence-Large Language Models
16	Multi-modal Large Model Full Scene Intelligent　Interactive Space	Chongqing Phoenix Auto Intelligence Technology Co., Ltd	Artificial Intelligence-Large Language Models
17	AI Big Model Cockpit Interaction Deep Thinking Large Model Intelligent Cockpit for the Belt and Road Initiative	Pachira Time (Zhuhai Hengqin) Information Technology Co., Ltd.	Artificial Intelligence-Large Language Models
18	Using Multimodal Large Models to Enable the Innovation and Revolution of Smart Vehicle Cabin	Beijing Co Wheels Technology Co., Ltd.	Artificial Intelligence-Large Language Models
19	Research and Application of Large Models for New Automotive Data Closed Loop System	Chongqing Changan Automobile co., ltd	Artificial Intelligence-Large Language Models
20	An End to End AI Eased Delivery Specialties for Vehicle Road Cloud Integration	Xiamen Golden Dragon Bus Co.,Ltd.	Artificial Intelligence-Large Language Models

21	Heterogeneous Internet of Vehicles Intrusion Detection System Based on Artificial Intelligence	Di Chen	Artificial Intelligence-Large Language Models
22	Empower Intelligent Transportation and Travel Through a Cross-border Financial Platform Based on a Large-scale AI Model	Suzhou Kuay Digital Technology Co., Ltd	Artificial Intelligence-Large Language Models
23	AI Empowers the Full Lifecycle Operation of Vehicle Electric Separation	SAIC Motor Technical Center Shanghai ENERGIEX New Energy Technology Co.,Ltd	Artificial Intelligence-Large Language Models
24	Optimization of Blind Spot Image Display in Intelligent Cockpit Supported by Large Models	Tongji University	Artificial Intelligence-Large Language Models
25	A Dual-Modality Emotion Classification Network Based on Facial Video and Driving Behavior	Hangzhou Dianzi University	Artificial Intelligence-Large Language Models
26	AI Driver Safety Evaluation Platform of ICV	Robo-x Testing Technology Co., Ltd.	Artificial Intelligence-Large Language Models
27	Application and Cooperation of Municipal Cloud Control Platform and Service Capabilities of QI-ANXIN Security Large Model（QAX-GPT）.	Shenyang Connected and Autonomous Vehicles Technology Co.,Ltd	Artificial Intelligence-Large Language Models
28	Digital Future Intelligent Education Program	Tianjin Digital Future Technology Co., Ltd.	Artificial Intelligence-Large Language Models
29	BRICS Bunny Adventure （Cultural and Creative Product）	New Civic (Tianjin) Technology Co., Ltd	Artificial Intelligence-Large Language

			Models
30	The Book of Fish Sends Love: Jin Hua's Story of Ancient and Modern Cultural Inheritance and Love Stories	Zhang kaihan	Artificial Intelligence-Large Language Models
31	"BRICS Nations: Windows of Innovation and Heritage"	Gao Yutong	Artificial Intelligence-Large Language Models
32	Financial Analyst Co-Pilot	Speech Technology Center Limited	Artificial Intelligence-Large Language Models
33	Anomaly Detection on Smart Cities Using Computer Vision	Universidade Federal do Rio de Janeiro	Artificial Intelligence-Large Language Models
34	Innovative Design and application of key components of TK69 series NC floor milling and boring machine with rolling-sliding composite guide rail	GENERTEC KUNMING MACHINE TOOL CO.,LTD	anufacturing—Intelligent Equipment
35	The Golden Dragon Export Bus massive Personalized Rapid Customization Digital Platform.	Xiamen Golden Dragon Bus Co.,LTD	anufacturing—Intelligent Equipment
36	Intelligent CNC system solutions for high precision and deep hole machining	GENERTEC MACHINE TOOL SHANGHAI INSTITUTE	anufacturing—Intelligent Equipment
37	South Africa-North Cape PMG Smart Mining Project	China United Network Communications Group Co., Ltd.	anufacturing—Intelligent Equipment
38	Intelligent production line and application of carbon fiber compression molding	Tianjin Tianduan Press Co., Ltd	anufacturing—Intelligent Equipment
39	Artificial Intelligence Large Model (Smart Breathing Bracelet)	Xiamen Weilai biotechnology Co., Ltd	anufacturing—Intelligent

			Equipment
40	High-precision digital straightness reference solution	Shenzhen EboRail Technology Co., Ltd	anufacturing－Intelligent Equipment
41	Two-gaze visual perception system for complex underwater scenes	Northwestern Polytechnical University	anufacturing－Intelligent Equipment
42	The intelligent equipment platform based on Industrial Internet＋Big Data	Guangzhou Robustel Co., Ltd.	anufacturing－Intelligent Equipment
43	Research and Application of Remote Intelligent Control System for Large-scale Hoisting Equipment in Hydropower Stations	SHANXI TZ DIGITIZATION&INTELLIGENCE TECHNOLOGY CO.,LTD	anufacturing－Intelligent Equipment
44	Ultra-high precision constant temperature and humidity cleanroom.	JIANGSU KELI AIR CONDITIONING CO. LTD	anufacturing－Intelligent Equipment
45	City-level vehicle-road collaboration and digital smart travel demonstration platform	Xiamen King Long United Automotive Industry Co.,Ltd.	anufacturing－Intelligent Equipment
46	Enhance the accuracy of WLAN station experience prediction in intelligent manufacturing using artificial intelligence.	New H3C Technologies Co., Ltd.	anufacturing－Intelligent Equipment
47	Intelligent Logistics Execution System for Shipbuilding Industry	China Mobile(Shanghai) ICT Co.,Ltd.	anufacturing－Intelligent Equipment
48	Cloud Print, AI-driven Customized Production Platform	Xiamen Lingwu Technology Co., Ltd	anufacturing－Intelligent Equipment
49	Single-modal multifunctional flexible sensor	Jimei University	anufacturing－Intelligent Equipment
50	The world's leading ultra-high precision intelligent sensing system platform	Nonoslight Technology (Shanghai) Co., LTD	anufacturing－Intelligent

			Equipment
51	Research and Application of Key Technologies for Air-Sea Cross-Domain Collaborative Sensing Integration	Hainan Flyer Science and technology co.ltd	anufacturing－Intelligent Equipment
52	Intelligent storage and processing production line for slender pipe components in rail transit projects.	Nanjing University of Aeronautics and Astronautics	anufacturing－Intelligent Equipment
53	Cloud top game----domestic low-cost bee colony self-destructing UAV	Northwestern Polytechnical University	anufacturing－Intelligent Equipment
54	Liang Hongyu- Miniature Steel Transportation Robot	Sichuan Ruoming Technology Co., Ltd.	anufacturing－Intelligent Equipment
55	Intelligent high-precision length measurement reference instrument	Dalian Haiyun Intelligent Measurement and Control Technology Co., Ltd	anufacturing－Intelligent Equipment
56	Digital management of equipment	Xiamen Ningzao Technology Co. , Ltd.	anufacturing－Intelligent Equipment
57	GSK MAGIC WELDING UNIT	GSK CNC Equipment co., Ltd.	anufacturing－Intelligent Equipment
58	Flexible Manufacturing Unit for Horizontal Machining Center	GENERTEC MACHINE TOOL ENGINEERING RESEARCH INSTITUTE CO.,LTD.DALIAN COMPANY	anufacturing－Intelligent Equipment
59	AIot and Data-driven Intelligent Manufacturing Solution for Machine tools	GENERTEC MACHINE TOOL ENGINEERING RESEARCH INSTITUTE CO., LTD.	anufacturing－Intelligent Equipment
60	Multi-dimensional perception and industrialization of special robot technology for industry	Harbin Institute of Technology	anufacturing－Intelligent Equipment
61	Ultrasonic-assisted processing equipment	Shenzhen Kisonics	anufacturing－

	for difficult-to-machine materials	Technology Co., Ltd.	Intelligent Equipment
62	Procurement Co-pilot	Speech Technology Center Limited	anufacturing—Intelligent Equipment
63	Identification System for Livestock Farms	Abdrakhimov Daniil	anufacturing—Intelligent Equipment
64	ROVSCAN-2020	ATIVATEC TECHNOLOGY E DEVELOPMENT LTDA	anufacturing—Intelligent Equipment
65	Steam Generation Improvement using Machine Learning	Vadiraj Kulkarni	anufacturing—Intelligent Equipment
66	Bionic Arm	Mr.Amit Kumar Sharma	anufacturing—Intelligent Equipment
67	New technology for synergistic cracking of sulfur-containing waste in the chemical decomposition of gypsum to produce sulfuric acid and co production of cement plant	Shandong Lubei Enterprise Group Corporation, Shandong Lubei Chemical Co., Ltd	Green Industries—Low-carbon Technologies and Applications
68	Zhejiang Energy Tianda CO_2 mineralization preservation and carbon sequestration technology research and demonstration project	Zhejiang Energy Tianda environmental protection Technology CO.,LTD	Green Industries—Low-carbon Technologies and Applications
69	the "Production-Living- Ecological" Circular System	Sichuan Kedao Agriculture Co., Ltd.	Green Industries—Low-carbon Technologies and Applications

70	Green and efficient collaborative processes and demonstration projects of rotary hearth furnace direct reduction technology for solid and hazardous waste from steel plants	Baowu group Environmental Resources Technology Co. , Ltd.	Green Industries－Low-carbon Technologies and Applications
71	Key technologies and applications of low-carbon, environmentally friendly, and high shrinkage wool	Shandong Nanshan Fashion Sci-Tech Co.,Ltd.	Green Industries－Low-carbon Technologies and Applications
72	Veolia Huafei Plastic Recycling Project	Veolia China	Green Industries－Low-carbon Technologies and Applications
73	Residual pressure power generation device remanufacturing technology and composite materials	Hebei Ruizhao Laser Remanufacturing Technology Co., Ltd.	Green Industries－Low-carbon Technologies and Applications
74	Green manufacturing of bamboo-based nanocellulose for development of high value products realizing replacement of plastic with bamboo	Tianjin Sustainable Novel Materials Co. Ltd	Green Industries－Low-carbon Technologies and Applications
75	Industrial Application of Supercritical CO2 Power Generation Technology in Metallurgical Waste Heat Utilization	Jigang international engineering & technology co., ltd	Green Industries－Low-carbon Technologies and

			Applications
76	Research and development of green reagents and short-process equipment for fluorine-containing industrial wastewater	China University of Mining and Technology-Beijing	Green Industries－Low-carbon Technologies and Applications
77	Industrial continuous scrap tire (rubber) pyrolysis resource disposal key technology and equipment	Niutech Environment Technology Corporation	Green Industries－Low-carbon Technologies and Applications
78	Digital energy saving and consumption reduction technology of industrial cooling water	Guoke Intelligent Water Technology (Henan) Co., LTD.	Green Industries－Low-carbon Technologies and Applications
79	Application of full-grain steel slag in whole structure of asphalt road	Baowu group Environmental Resources Technology Co. , Ltd.	Green Industries－Low-carbon Technologies and Applications
80	Preparation of high-performance green building materials from industrial by-product gypsum under the dual carbon background	EFFUL Technology Co., Ltd.	Green Industries－Low-carbon Technologies and Applications
81	Solid waste into mine-multiple solid waste collaborative disposal technology demonstration project	Hubei Juhai Environmental Technology Co.,Ltd	Green Industries－Low-carbon Technologies

			and Applications
82	R&D and industrialization of low temperature screw water vapor heat pump(clean energy equipment)	Hunan dongyou water vapor energy energy-saving CO.,Ltd	Green Industries－Low-carbon Technologies and Applications
83	Intelligent double tank all-round tracking solar medium and high temperature photothermal system	Beijing Zhongke Everest new energy Industry Development Co., LTD	Green Industries－Low-carbon Technologies and Applications
84	Preparation of Functional Polylactic Acid Materials and Development of High-value Products	Beijing Institute of Fashion Technology	Green Industries－Low-carbon Technologies and Applications
85	Key technologies and equipment for the production of green building materials by comprehensive utilization of solid wastes	Quangong Machinery Co., Ltd	Green Industries－Low-carbon Technologies and Applications
86	Global Pioneering Technology - Direct Spinning Green Recycled and Reused Project for Waste Textiles using a New Solvent with Mild Dissolution under Normal Temperature	Xinxiang Chemical Fibre Co.,Ltd	Green Industries－Low-carbon Technologies and Applications
87	Silver Horse 2025 series multipurpose block/stone integrated machine and the intelligent production line for low-carbon	XI'AN SILVER HORSE INDUSTRIAL DEVELOPMENT	Green Industries－Low-carbon

		building materials	CO.,LTD	Technologies and Applications
88	Low carbon casting and rolling technology and application of Castrip		JIANGSU SHAGANG GROUP CO.，LTD	Green Industries－Low-carbon Technologies and Applications
89	Research and Application on the Multistage Chain Development Technology of the Liquor Distiller's Grains		Wuliangye Group Co., Ltd	Green Industries－Low-carbon Technologies and Applications
90	Liquid Cooling of China		Guangdong Hi-1 New Materials Research Institute Co., Ltd	Green Industries－Low-carbon Technologies and Applications
91	Low carbon zero emission and resource recycling technology for textile printing and dyeing pretreatment		China Shanghai Jintang Textile New Materials Technology Ltd	Green Industries－Low-carbon Technologies and Applications
92	Mobile high-efficiency processing intelligent equipment and industrial application for retired wind power blades and thermosetting materials		CRRC Shandong Wind Power Co., Ltd.	Green Industries－Low-carbon Technologies and Applications
93	Complete sets of technology and equipment for high quality utilization of		Shanghai Liangyan Environmental Technology	Green Industries－

	construction waste	Development Co., LTD	Low-carbon Technologies and Applications
94	Waste rubber mechanical method CNC atmospheric continuous regeneration equipment.	Suqian Yuantai Rubber and Plastic Machinery Technology Co., Ltd.	Green Industries— Low-carbon Technologies and Applications
95	Natural lighting system	GLORY LIGHT TECHNOLOGY CO.,LTD	Green Industries— Low-carbon Technologies and Applications
96	Tunnel diffuse reflection energy-saving optical composite material technology and its integration technology for tunnel traffic safety, energy saving, and intelligent systems	Sichuan Jibang Technology Co., LTD	Green Industries— Low-carbon Technologies and Applications
97	Waste PCB board treatment system	Huanchuang (Xiamen) Technology Co.,Ltd.	Green Industries— Low-carbon Technologies and Applications
98	Comprehensive Modification and Resource Utilization of Steel Slag	Guo Ying	Green Industries— Low-carbon Technologies and Applications
99	Green Digital Currency	The Federal State	Green

		Educational Budgetary Institution of Higher Education "Financial University under the Government of the Russian Federation"	Industries－Low-carbon Technologies and Applications
100	Hydrogen Generation Offshore	Gabriel Caetano Gomes Ribeiro da Silva / Mayara Francisca Reis de Souza / Natacha Gonçalves Camargo－COPPE/UFRJ	Green Industries－Low-carbon Technologies and Applications
101	Typical fault diagnosis and fault tolerance control of X-rudder fixed-wing aircraft actuator	Research team of Fault Tolerance and Health Management in Complex System diagnosis, Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
102	Low speed small aircraft countermeasure system	Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
103	Detachable Stacked Staggered Rotor Drone	Nanjing University of Aeronautics and Astronautics "Aircraft System Design" Innovation Team	Low-altitude Economy-General Aviation
104	"Vanguard" - An Advanced Rotor/Wing Combined Morphing Aircraft	Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
105	Ultra-High Pressure Cooling System for Large-Scale Low-Altitude Rotor Power Units	Efficient Combustion Heat Transfer and Hybrid Propulsion Team at Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
106	Intelligent Airfoil Control, Wing	Chongqing Jiaotong	Low-altitude

	Mimicking Nature: A Low-Altitude Multi-Scenario Biomimetic Flapping-Wing Aircraft Based on a Multi-Point Wing Surface Control Scheme	University	Economy-General Aviation
107	Air-wall multimodal controllable electromagnetic adsorption specialized flying robot	Laboratory of Motion Bionics and Intelligent Robotics, Nanjing University of Aeronautics and Astronautics (NUAA)	Low-altitude Economy-General Aviation
108	Efficient Micro Turbo Fan Propulsion for Long-Range, Heavy-Lift and Fast Aircraft applied in Low Altitude	"High Efficiency Micro-Engine" Research Team from NUAA	Low-altitude Economy-General Aviation
109	Electric Short Takeoff and Landing (eSTOL) aircraft	"Lighting" Aircraft Technology Innovation Team	Low-altitude Economy-General Aviation
110	QT: Intelligent Micro-Drones Reconnaissance Assets for Individual Soldiers	Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
111	Construction of low altitude air traffic control support system	Academy of Civil Aviation, Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
112	Intelligent control escort——a software of trajectory prediction optimization and safety assessment for eVTOL	Intelligent Control Escort Team	Low-altitude Economy-General Aviation
113	Multi-source Low-altitude Surveillance and Onboard DAA System Based on 1090ES, UAT, and RemoteID	Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
114	Smart City Low Altitude Service Management Platform	Nanjing University of Aeronautics and Astronautics（Low Altitude Air Traffic Control Vanguard）	Low-altitude Economy-General Aviation
115	Health Monitoring and Low-Cost	Nanjing University of	Low-altitude

	Autonomy Assurance Solutions for Low-Altitude Transport Vehicles	Aeronautics and Astronautics, College of Civil Aviation, Key Laboratory of Civil Aircraft Health Monitoring and Intelligent Maintenance	Economy-General Aviation
116	Millimeter-wave and Terahertz Ultra-high-speed Low-altitude Communication Channel	Southeast University, Purple Mountain Laboratories(PML)	Low-altitude Economy-General Aviation
117	AirShuttle－ The pioneer of drone swarm intelligent transportation	Yunzhi Team from NUAA (Yunzhi (Nanjing) UAV Technology Co., Ltd)	Low-altitude Economy-General Aviation
118	Wings for Shipping Safety - Unmanned Aerial Vehicles for Ship Inspection Contribute to the Shipping Safety of BRICS Countries.	Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
119	High-Load Intelligent Bridge Inspection Drone	Nanjing University of Aeronautics and Astronautics "Aircraft System Design" Innovation Team	Low-altitude Economy-General Aviation
120	"Star Network+"Navigation Service and UAV Control System	Hohai University SkyNav Pioneers	Low-altitude Economy-General Aviation
121	Air Patrol Intelligent Inspection - An integrated air-to-ground inspection platform for large targets	The Air Patrol Intelligent Inspection Team	Low-altitude Economy-General Aviation
122	Bird's Eye View 3D: Drones enable 3D modeling systems for large-scale complex scenes	Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-General Aviation
123	Intelligent Control Eagle Eye: A Complex Scene Target Perception System with Cross-Expert Model Fusion for UAV	Nanjing University Of Aeronautics And Astronautics	Low-altitude Economy-General Aviation
124	Integrated Intelligent Pipeline Inspection and	Wireless Intelligent Network and Data	Low-altitude Economy-Gene

		Laboratory	ral Aviation
	Comprehensive Management System for Air-Ground Integration		
125	Maritime UAV Manipulation and Intelligent Application Platform Based on Low Altitude Intelligent Connection	Nanjing University of Aeronautics and Astronautics	Low-altitude Economy-Gene ral Aviation
126	Qian Mo Transportation - Leading Unmanned Power Umbrellas	Chongqing Jiaotong University; Chongqing Jiaotong University Green Aviation Research Institute	Low-altitude Economy-Gene ral Aviation
127	Smart city low altitude comprehensive governance system based on digital twin technology	Yunsheng Intelligent Technology Co., Ltd	Low-altitude Economy-Gene ral Aviation
128	"Flying Sphere"－Spherical Multimodal Drone	Beihang University	Low-altitude Economy-Gene ral Aviation
129	Autonomous variable-wheelbase quadcopter drone	Beihang University	Low-altitude Economy-Gene ral Aviation
130	Controllable Depth Multi-Point Sampling Aquatic Ecosystem Monitoring Drone	Xiamen University	Low-altitude Economy-Gene ral Aviation
131	Orion Precision Aerial Operation A New Boost for Low-altitude Economic Growth	Wisson International Limited	Low-altitude Economy-Gene ral Aviation
132	Low-altitude infrastructure support equipment and system based on multi-sensory perception and data fusion technology.	GuangzhouChenchuangTec hnologyDevelopment Co.,Ltd.	Low-altitude Economy-Gene ral Aviation
133	Large-scale Tandem Rotor Unmanned Helicopter	Beijing Lighvita Innovative Tech Ltd .	Low-altitude Economy-Gene ral Aviation
134	INTEGRATED PLATFORM TO SUPPORT AUTONOMOUS INSPECTION AND MAINTENANCE	Aquamet Meteorologia	Low-altitude Economy-Gene ral Aviation

	OPERATIONS CARRIED OUT BY DRONES AND ASSOCIATED WITH THE MONITORING OF METEO-OCEANOGRAPHIC DATA		
135	BIPV Technology and Application of Thin Film Solar Cells	Triumph Science & Technology Group Co., Ltd	Energy Electronics－Photovoltaic and New Energy Storage
136	Low-cost ultra-thin HJT cell technology development and industrial application	Jetion Solar(China) Co.,Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
137	China PV Module Recycling Market Forecast	PV RECYCLE INDUSTRY DEVELOPMENT CENTER	Energy Electronics－Photovoltaic and New Energy Storage
138	300MW/1200MWh grid type independent energy storage project in Kezhou, Xinjiang	Xiamen Kehua Digital Energy Tech Co., Ltd	Energy Electronics－Photovoltaic and New Energy Storage
139	Integrated solution for photovoltaic module recycling	YC Solution (Suzhou) Technology Co., Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
140	Integrated Optical Fiber and Raman-Based Early Warning System for Battery Thermal Runaway	Wuhan University of Technology	Energy Electronics－Photovoltaic and New Energy Storage
141	Four Application Systems of Solar Power	SENTA ENERGY CO.,	Energy

	Container	LTD	Electronics－Photovoltaic and New Energy Storage
142	Yi-crown	Sichuan Branch of Yangtze Institute for Solar Technology	Energy Electronics－Photovoltaic and New Energy Storage
143	The first 100MWh-level string-type user-side energy storage project in China － Nanjing Nangang 61MW/123MWh Energy Storage Station.	Altenergy Power System Inc.	Energy Electronics－Photovoltaic and New Energy Storage
144	Innovation and Application of New Corrosion resistant Composite Material Support Technology	Jiangxi Longzheng Technology Development Co., Ltd	Energy Electronics－Photovoltaic and New Energy Storage
145	First BC-technology Utility PV plant in Latin America	LONGi Green Energy Technology Co., Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
146	Multi-Scenario Photovoltaic Field-proven Platform Project	Huaneng Clean Energy Research Institute	Energy Electronics－Photovoltaic and New Energy Storage
147	Key Technology Research and Demonstration Applications of High-Capacity Solid Hydrogen Storage	National Innovation Center of Advanced Rail Transit Equipment	Energy Electronics－Photovoltaic and New Energy Storage
148	High-power Large-form-factor i-TOPCon	TrinaSolar Co., Ltd.	Energy

	PV modules		Electronics－Photovoltaic and New Energy Storage
149	Energy-Efficient Thermal Insulated Chain Solar Cell Sintering Furnace	SuZhou Autoway System Co.,Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
150	ARCTECH "Tracking+" series solutions	Arctech Solar Holding Co.,Ltd	Energy Electronics－Photovoltaic and New Energy Storage
151	Research and Industrialization of High Efficiency Power Modules	Hidipower Semiconductor (Suzhou) Co.,Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
152	High performance Non-fluorinated Polyolefin (PO) Backsheet	ZHEJIANG SINOPOLY MATERIALS Co., LTD.	Energy Electronics－Photovoltaic and New Energy Storage
153	AI and Big Data Driven Integrated Platform for Battery R&D, Testing, and Analysis	Suzhou Chuhui Intelligent Technology Co., Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
154	Low-cost, high-efficiency and high-reliability heterojunction products	Zhejiang Winhitech New Energy Co. ,Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
155	PV CLEANING ROBOT	Jinghang New Energy	Energy

		Technology Co., Ltd	Electronics－Photovoltaic and New Energy Storage
156	Technology of recycling and high-value utilization for decommissioned photovoltaic module	RESOLAR Energy Technology (Shanghai)Co., Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
157	Technology and software for digital intelligent simulation and design of photovoltaic system	Sungrow Renewables Development Co., Ltd	Energy Electronics－Photovoltaic and New Energy Storage
158	Research and Industrialization of Key Technologies for Large-Scale Domestic Carbon/Carbon Composites in the Semiconductor and Photovoltaic Industries	Zhejiang Xinghui New Material Technology Co., LTD	Energy Electronics－Photovoltaic and New Energy Storage
159	20A High Current Microinverter Technology	Altenergy Power System Inc.	Energy Electronics－Photovoltaic and New Energy Storage
160	New green inorganic optical coating material and its industrialization	Convsun(Changzhou) New Materials Science and Technology Co., Ltd	Energy Electronics－Photovoltaic and New Energy Storage
161	High-efficiency and low-damage wire cutting technology with chemical discharge for large-size silicon wafers.	Sichuan Gokin Solar Energy Technology Co., Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
162	One-step Magnetron Sputtering R&D and	Suzhou Zhenli New	Energy

	Industrialization Application of Ultra-thin and Low-cost Composite Current Collector for Lithium-ion Batteries	Material CO., LTD	Electronics－Photovoltaic and New Energy Storage
163	Ultra-efficient and low-cost 0BB heterojunction module mass production solution	Zhejiang Znergy Solar Co., Ltd	Energy Electronics－Photovoltaic and New Energy Storage
164	Adsorption-compression carbon dioxide-based supported energy storage technology for deep and flexible transformation of thermal power generation	Harbin Institute of Technology	Energy Electronics－Photovoltaic and New Energy Storage
165	Green dismantlement and high-value utilization of decommissioned photovoltaic modules	Changzhou Ruisai Environmental Protection Technology Co., Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
166	R&D, and Industrialization of Key Technologies for Grid-forming/Grid-following Photovoltaic Energy Storage Inverters Using Heterogeneous Power Devices	AISWEI Technology Co., Ltd.	Energy Electronics－Photovoltaic and New Energy Storage
167	Solar Powered Tricycle	Mr. Amit Kumar Sharma	Energy Electronics－Photovoltaic and New Energy Storage
168	Digital Metrology of the Unified Gas Supply System of Russia	Scientific-production association «Vympel»	Energy Electronics－Photovoltaic and New Energy Storage