



中国机械科学研究总院集团有限公司

China Academy of Machinery Science and Technology Group Co., Ltd.



中国机械科学研究总院集团有限公司



社会责任报告

CORPORATE SOCIAL RESPONSIBILITY REPORT



社会责任报告

CORPORATE SOCIAL RESPONSIBILITY REPORT



About this Report

This is the 12th corporate social responsibility (CSR) report issued by China Academy of Machinery Science and Technology Group Co., Ltd (CAM). It discloses the key information about the economic, social and environmental performance of the Group.

GSSB GRI
GRI Standards
GB/T

2030

36001-2015

This report is prepared in accordance with the *Guidelines to the State-owned Enterprises Directly under the Central Government on Fulfilling Corporate Social Responsibilities* issued by State-owned Assets Supervision and Administration Commission of the State Council (SASAC), with reference to the *2030 Agenda for Sustainable Development*, *GRI Sustainability Reporting Standards* (GRI Standards) by Global Sustainability Standard Board(GSSB) and Guidance on *Social Responsibility Reporting* (GB/T 36001-2015).

[Access to the Report](#)

<http://www.cam.com.cn/>

This report is published in paper and electronic versions. You can download the electronic version from our website, <http://www.cam.com.cn/>.



Scan the QR code to feedback your suggestions

CAM



Contents

15

CSR Feature: Implementing the Guiding Principles of the 20th CPC National Congress to Draw the Blueprint for High-quality Development

17

Upholding Fundamental Principles and Breaking New Ground to Comprehensively Promote Reform and Development

19

Adhering to the Guidance of Party Building

21

Strengthening Strategic Guidance

22

Optimizing Corporate Governance

23

Promote Compliance Management

25

Deepening Enterprise Reform

27

Focusing on Main Responsibilities and Making All-out Efforts to Build Advanced Equipment for the Country

29

Promoting the Spirit of Scientists

31

Laying Solid Foundation for Innovations

32

Developing Networks for Innovations

34

Scaling Innovative Heights Against the Challenges of the New Era

37

Consolidating Momentum for Industry Transformation and Forging Ahead at Full Speed to Create Value

39

Forging Industry Advantages

40

Optimizing Industry Service

44

Deepening Collaboration and Exchange

46

Together for a Bright Future

57

Co-creating Harmonious Communities Wholeheartedly to Share a Better Life

59

Advancing Rural Vitalization

62

Empowering Green Development

65

Cultivating Future Talents

66

Passing on Warmth

67

New Journey in New Era

69

Indicator Index

Message from the President and General Manager

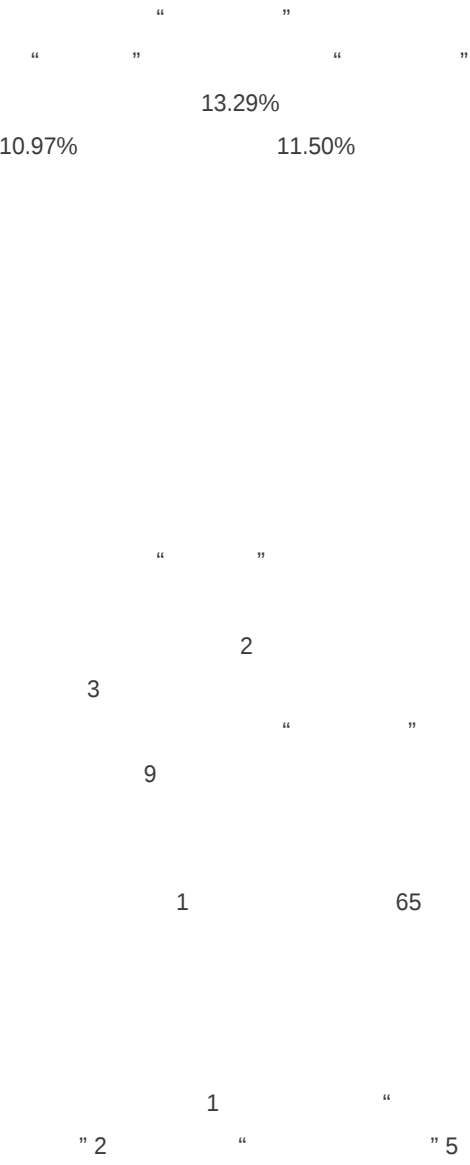
2022

The year 2022 marked the successful convening of the 20th CPC National Congress, and it was also an important period for embarking on the new journey to build China into a modern socialist country in all respects and advance toward the Second Centenary Goal. Firmly implementing the decisions and plans of the CPC Central Committee and proactively responding to risks and challenges, CAM strove to forge ahead against all difficulties to keep growth stable, prioritize innovations, deepen reform, strengthen Party building and do practical work by pinning down the targets. In this way, we made contribution to our country, paid tributes to the Party with our efforts, and constantly advanced the high-quality development.

In 2022, we remained committed to deepening reform comprehensively and reached a new height in quality and efficiency. We thoroughly implemented the planning set for the 14th Five-Year Plan period by establishing and focusing on the Party building brand of “conviction enhancement and action empowerment” and hit record highs in various economic indicators, including a year-on-year increase of 13.29% for operating income, a year-on-year increase of 10.97% for gross profit and a year-on-year increase of 11.50% for net profit. Focusing on institutional innovation, we advanced the successful conclusion of the three-year action plan for SOE reform and were listed as one of the ten demonstrative central SOEs with our reform work mechanism highly acclaimed by the SASAC. We achieved fixed-term appointment and contractual management for all management members at each level across CAM and our subsidiaries. The pipelines of reform demonstrative enterprises kept growing and the development vitality and momentum continued to be unleashed with the successful listing of Hit Welding Industry Co.,Ltd. and Zhengzhou Research Institute of Mechanical Engineering Co.,Ltd., Yanqi Lake (Beijing) Institute of Basic Manufacturing Technology Research Co., Ltd. being selected into the Demonstrative Actions on Reforms of Technology-Based SOEs.

In 2022, we adhered to self-reliance and self-improvement in our primary business and made remarkable achievements in sci-tech innovations. Focusing on bold innovations to gain momentum, we provided strong support for technology innovation in the field of industrial machine tools and the implementation of the strategy of building China as a manufacturing power. The National Innovation Center for Lightweight Materials was successfully accepted, and 2 state key laboratories were included in the New Sequence Management List of National Engineering Research Centers (NERC). We comprehensively promoted the inclusion of 3 national defense innovation centers into the planning directory of State Administration for Science, Technology and Industry for National Defense, speeding up the construction of Huairou Innovation Base, and the deployment of “one set of platforms” by echelons. Multiple high-level innovation achievements demonstrated high sense of responsibility, such as the successive approvals of 9 breakthrough phase II missions, a batch of landmark key technological achievements fully supporting the construction of major national projects including large aircraft, lunar exploration, Fujian aircraft carrier, and other energy and power projects, and winning of one new national award and 65 achievement awards at provincial and ministerial levels.

In 2022, we expedited the commercialization of innovation achievements, and pushed the industrial development to a higher level. We accelerated the cultivation of digital and intelligent equipment businesses, with the new addition of one national individual champion, two national key “little giant” specialized and sophisticated firms, 5 national “little giant” specialized and sophisticated firms, and one national enterprise technology center. We also participated in the ISO chairman election on behalf of China, submitted Chinese business card of standardization to the world, and made China’s voice heard; we initiated the compilation of standards, periodicals, and testing resources



1

ISO

integration plans to promote the extension of industry services to specialization and the high-end of the value chain. We entered into strategic cooperation agreements with Fujian Province, Sanming City, and Changzhou City to jointly build regional collaboration and innovation platforms to promote the layout of regional specialties, accelerate market expansion and industry-university-research cooperation, and comprehensively improve brand building capabilities, continuing to demonstrate the role of the “national team” and “vanguard” in innovation.

In 2022, we sy.6 a(rTdabilities,h9Inse f)0.5 buml2 rthesua1.2ita20n on beTJ1dabilities (g)-9.

“ ” “ ”

“ ”

“ ”

5000 “ ”

12

3

“ ”

2023

About US

Group Profile

/734

/6

0..

5...

China Academy of Machinery Science and Technology Group Co., Ltd. (CAM) was established in 1956, is a largescale central state-owned enterprise group highlighting public service and technology under direct supervision of the Stateowned Assets Supervision and Administration Commission of the State Council (SASAC). CAM has 18 wholly-owned and controlled subsidiaries. Focusing on advanced and intelligent manufacturing as well as advanced engineering materials, CAM has evolved into three major business categories specialized in technological R&D, S&T application, and industrial services respectively. CAM has created 200 "firsts" in the national industrial fields and delivered over 7,000 scientific research findings which are widely adopted in key fields concerning national economy and national security & defense, thus contributing to major scientific and technological research and major engineering construction in China. As an integral part of national sci-tech innovation system, CAM has been an important driving force in the equipment manufacturing industry.



2022

13.29 #

13.5 #

10.97 #

428

11.50 #

5



Corporate Culture



Board of Directors

Wang Decheng

President

Xu Zhiwu

External Director

Chen Shuguang

External Director

Dong Chunbo

External Director

Wang Xifeng

Director

Li Yuxin

Director

Wang Yu

Staff Director

Administration Group

Wang Decheng

President of CAM, Secretary of the CAM Party Committee

Wang Xifeng

General Manager of CAM, Deputy Secretary of the CAM Party Committee, Director

Li Yuxin

Deputy Secretary of the CAM Party Committee, Director

Zhu Shuhong

Member of the CAM Party Committee, CFO of CAM, General Counsel

Li Xiaodong

Member of the CAM Party Committee, Secretary of the Discipline Inspection Committee of CPC



Lou Yanchun

Member of the CAM Party Committee, Vice-general Manager of CAM

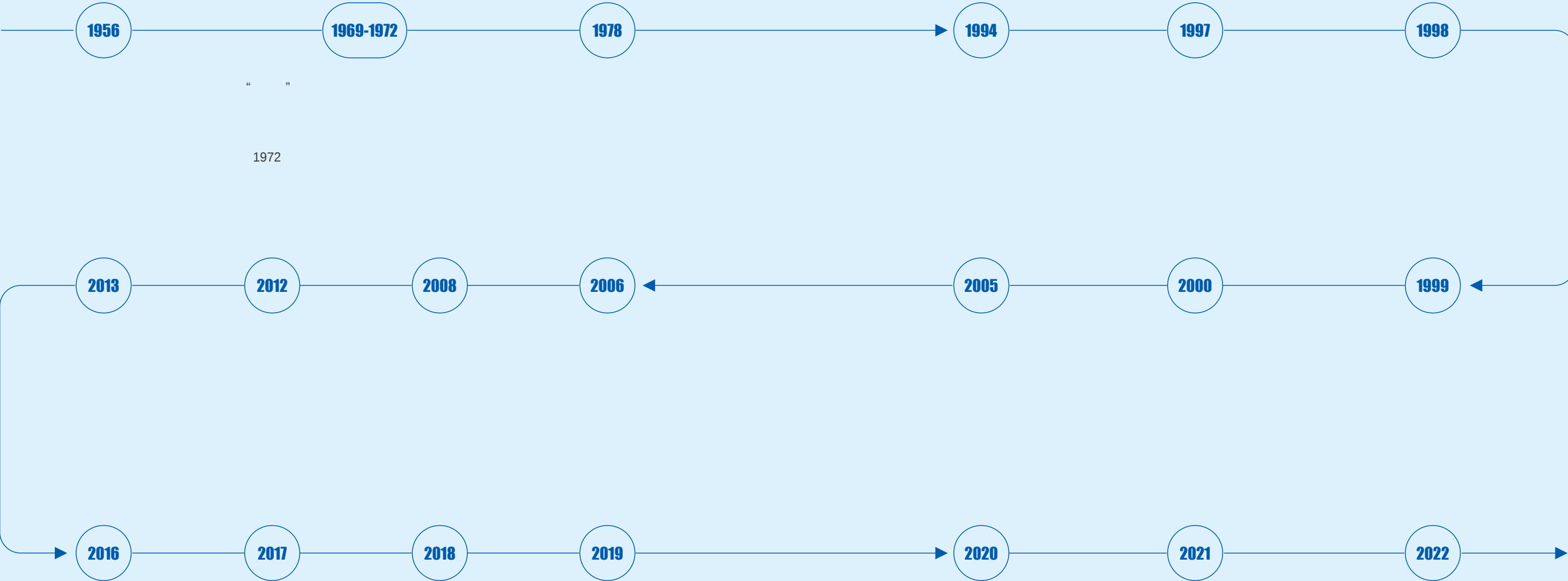
Wang Yu

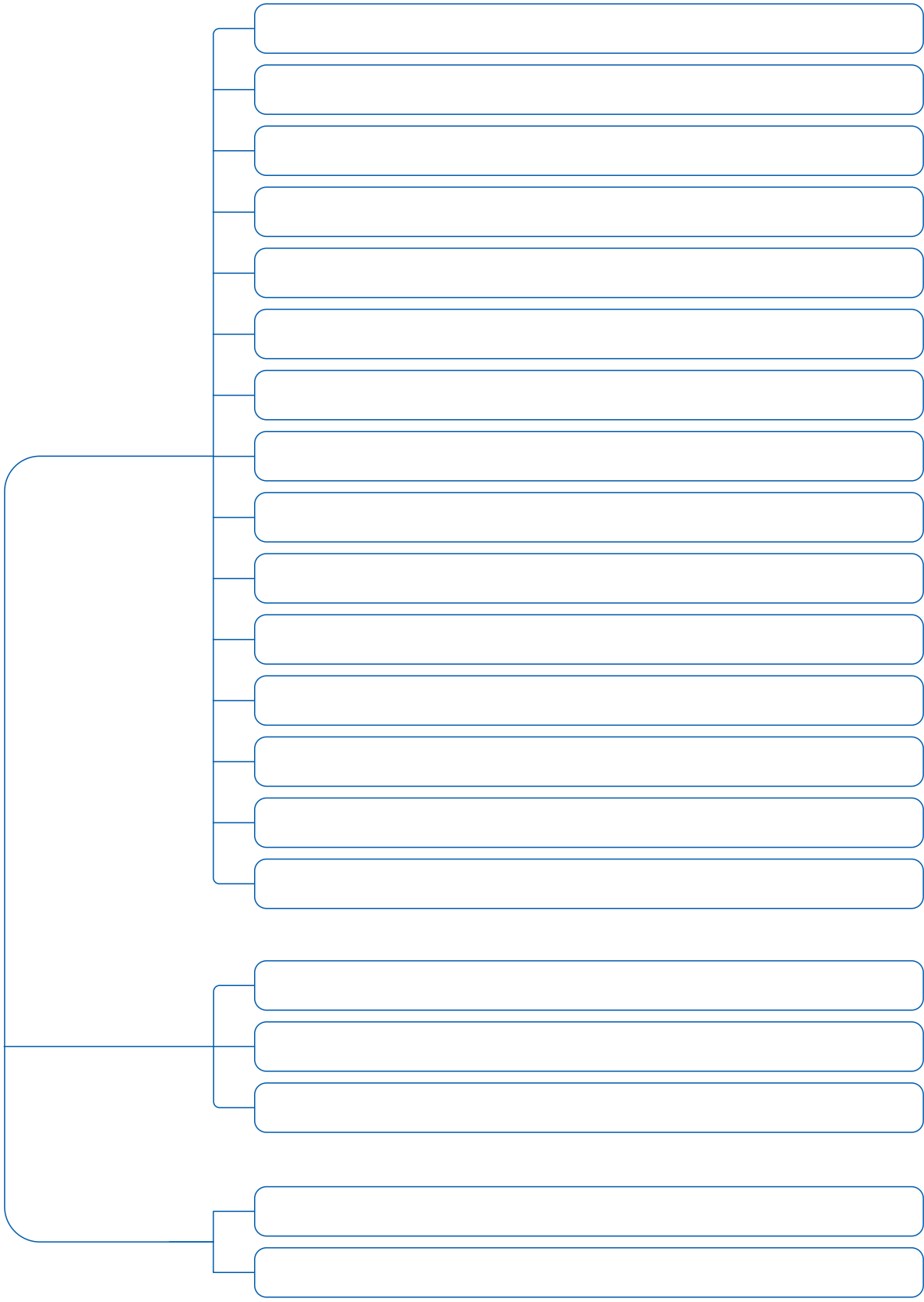
Member of the CAM Party Committee, Vice-general Manager of CAM, Staff Director

Meng Xiangyu

Member of the CAM Party Committee, Vice-general Manager of CAM

Development Process





±™ j€0 ?•

•d&œ•sYŷ

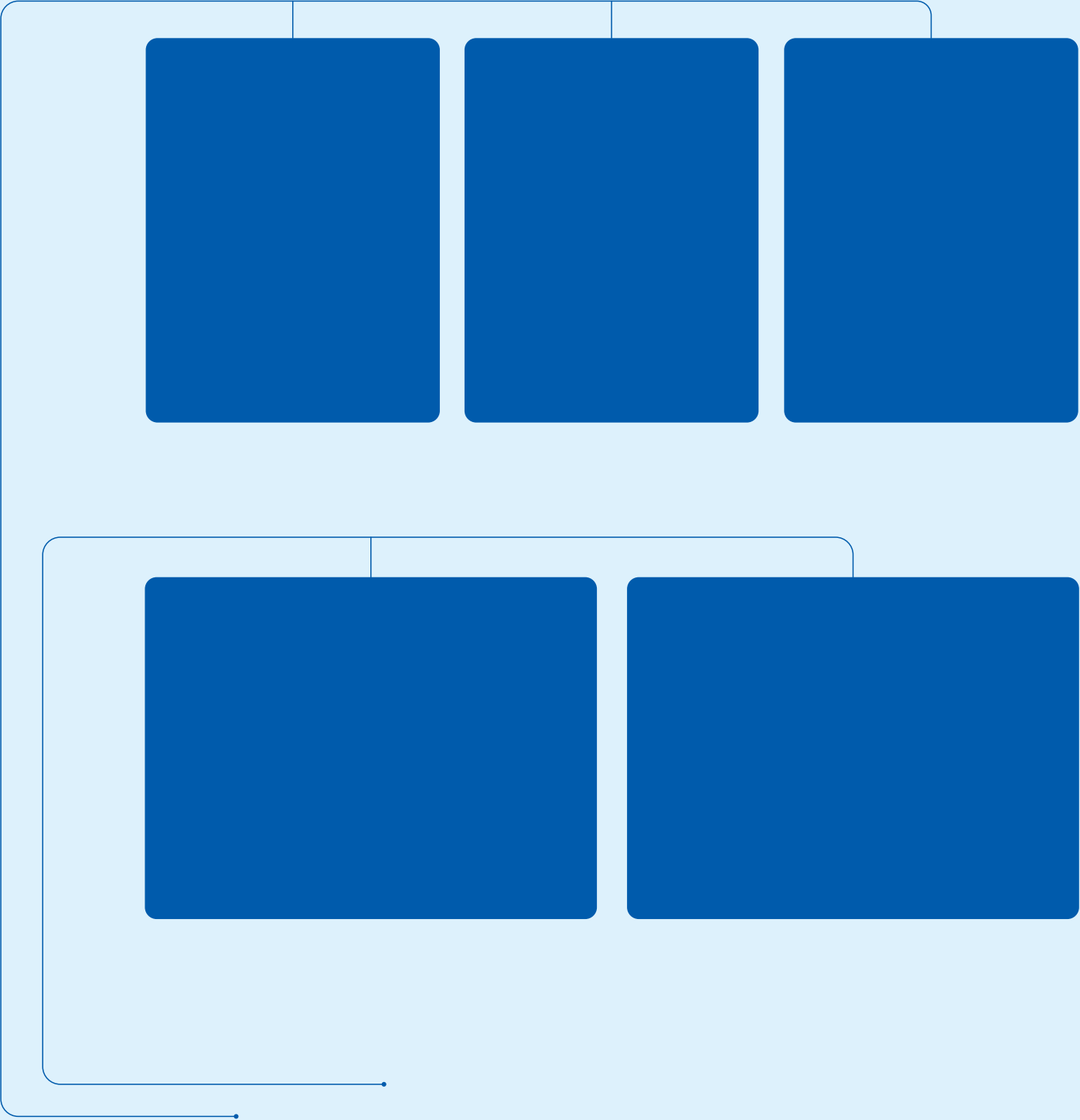
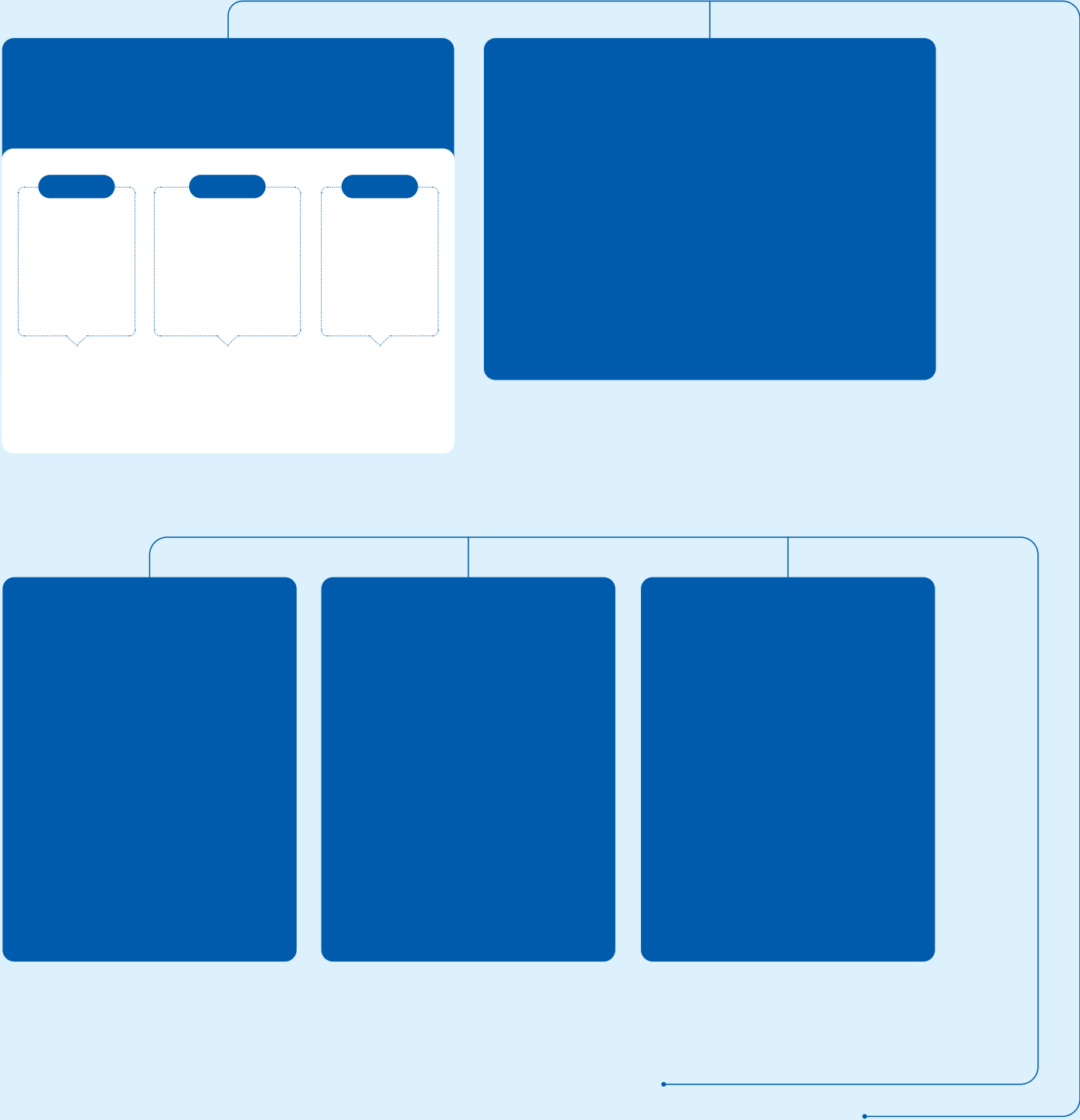
-`gik0] /80Z,)

+6DŠD, -i

-/P Rj
5B>/l0kœ

1\$—U}Z?`

2022
2022 Performance Events





CSR Feature



Implementing the Guiding Principles of the 20th CPC National Congress to Draw the Blueprint for High-quality Development

2022

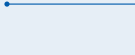
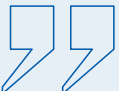
In 2022, the 20th National Congress of the Communist Party of China (CPC) concluded successfully in Beijing, pointing the direction for the development of the cause of the Party and the country in the new journey of the new era and the realization of the Second Centenary Goal. In response to the series of major arrangements made by the 20th CPC National Congress on state-owned assets and SOEs, CAM strives to achieve unity in thinking and action with new viewpoints, new judgments, and new requirements implied in the report to the 20th CPC National Congress based on reality and by innovating in learning methods and enriching formats, so as to ensure high-quality development with high-quality Party building.



Upholding Fundamental Principles and Breaking New Ground to Comprehensively Promote Reform and Development



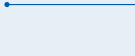
Requirements in the report to the 20th CPC National Congress



CAM Actions

- ⚙
- ⚙
- ⚙
- ⚙
- ⚙

“ ”



Highlights

Adhering to the Guidance of Party Building

CAM is committed to strengthening political leadership by adhering to the guidance of Party building. Bearing in mind the mission of innovation, we act as practitioners of conviction enhancement and action empowerment, give full play to the advantages of Party building and transform them into strengths in corporate development, and make them facilitate the high-quality development of the Group.

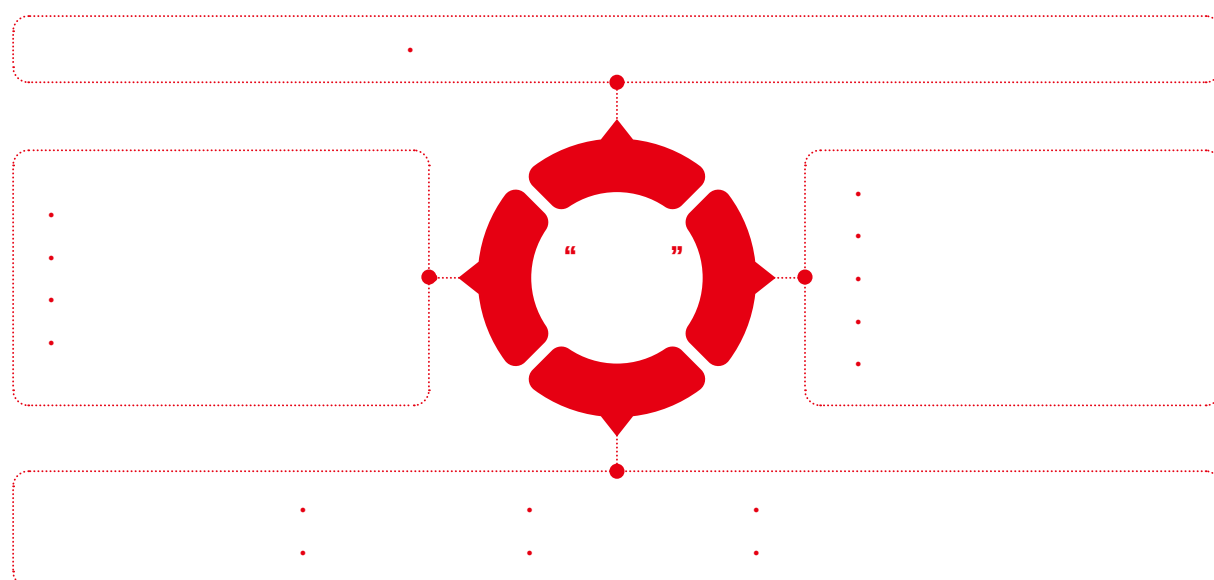


2022

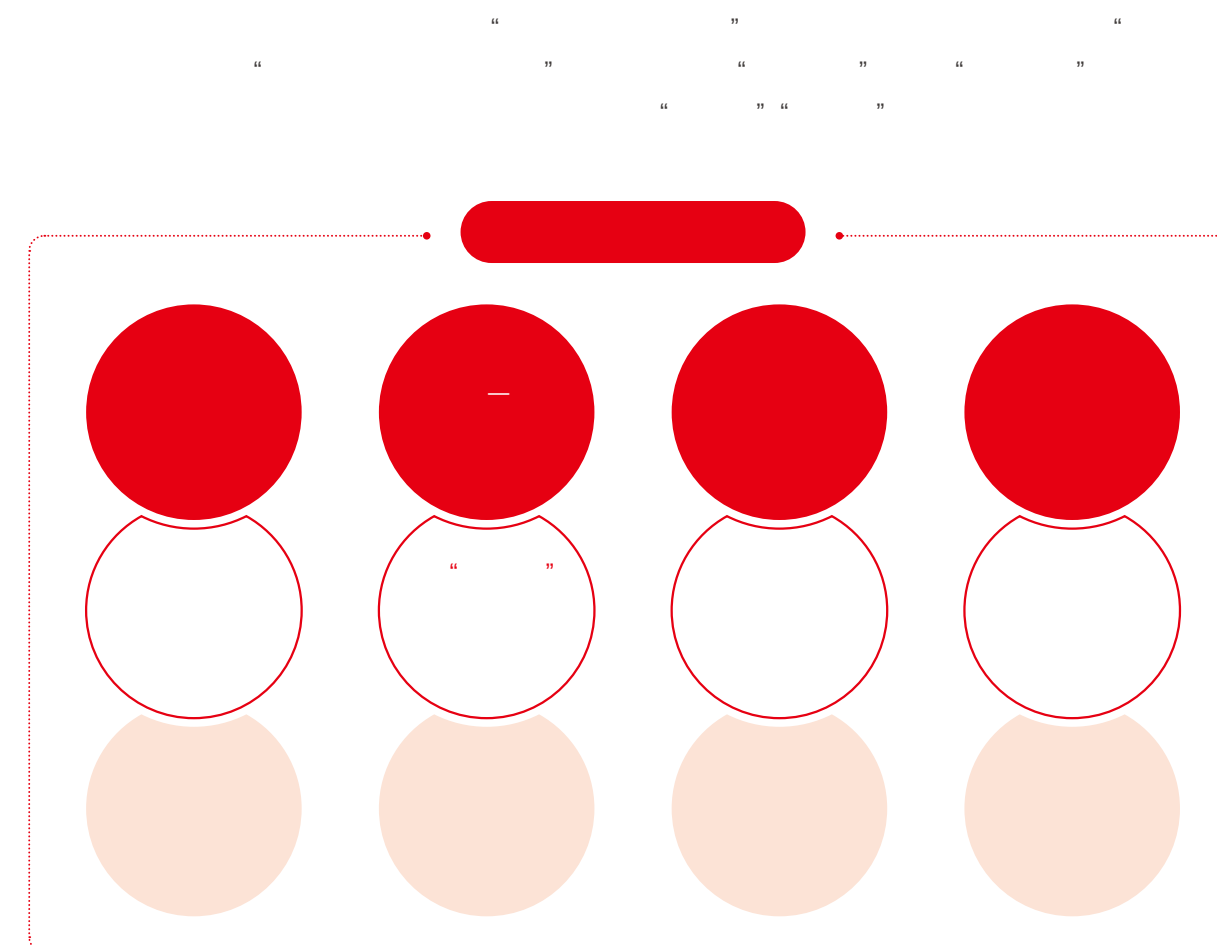
300

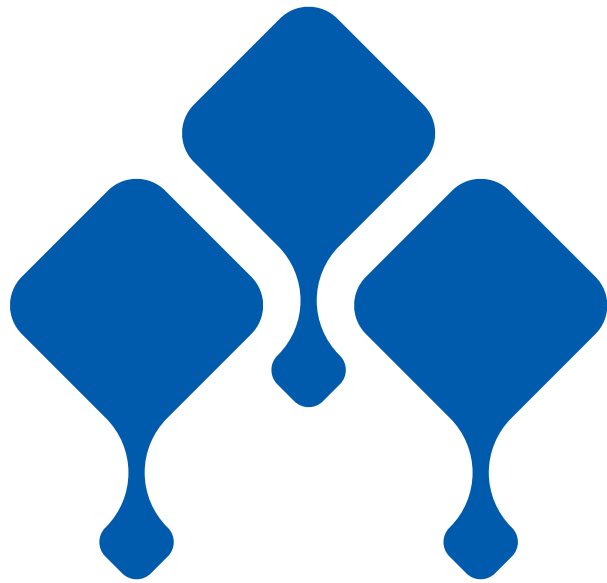
Releasing the Party Building Plan Set for the 14th Five-Year Plan Period

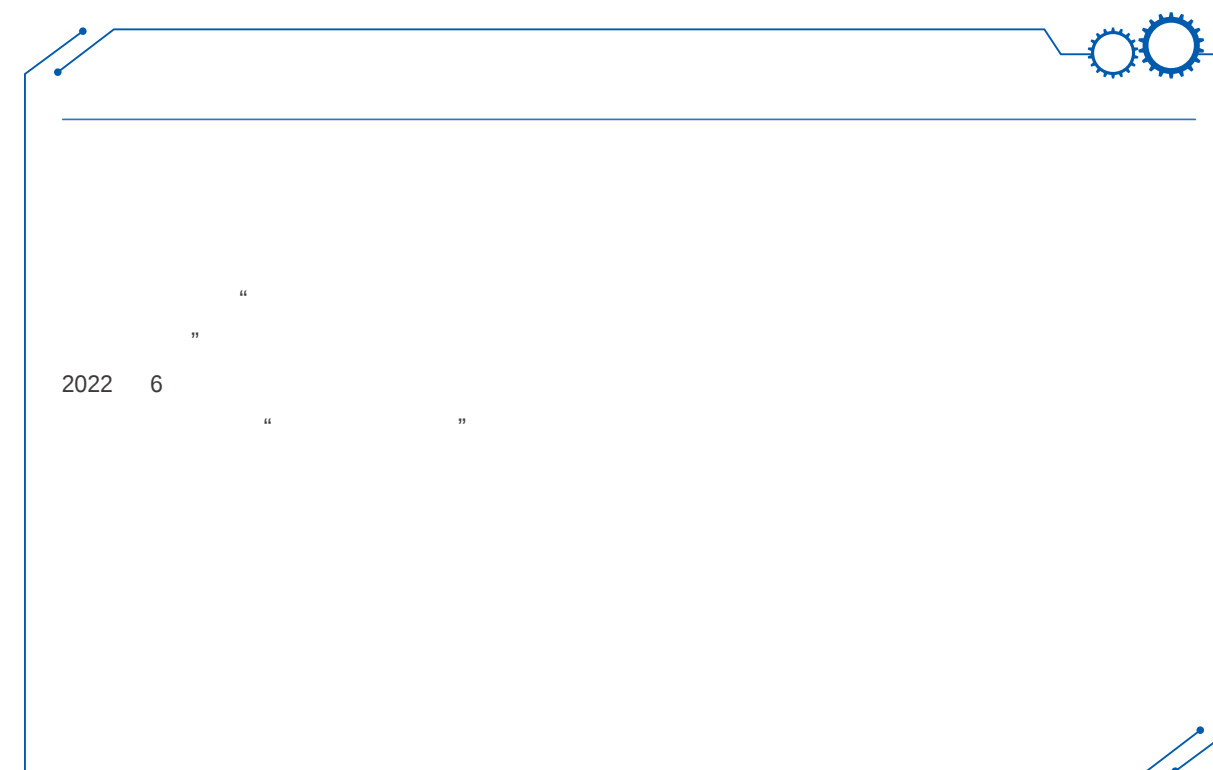
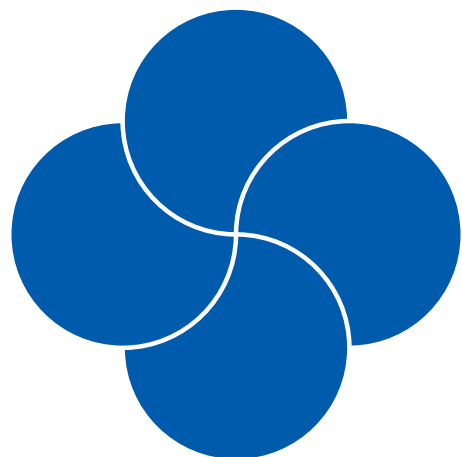
2022



Creating a Party Building Brand of “Conviction Enhancement and Action Empowerment”

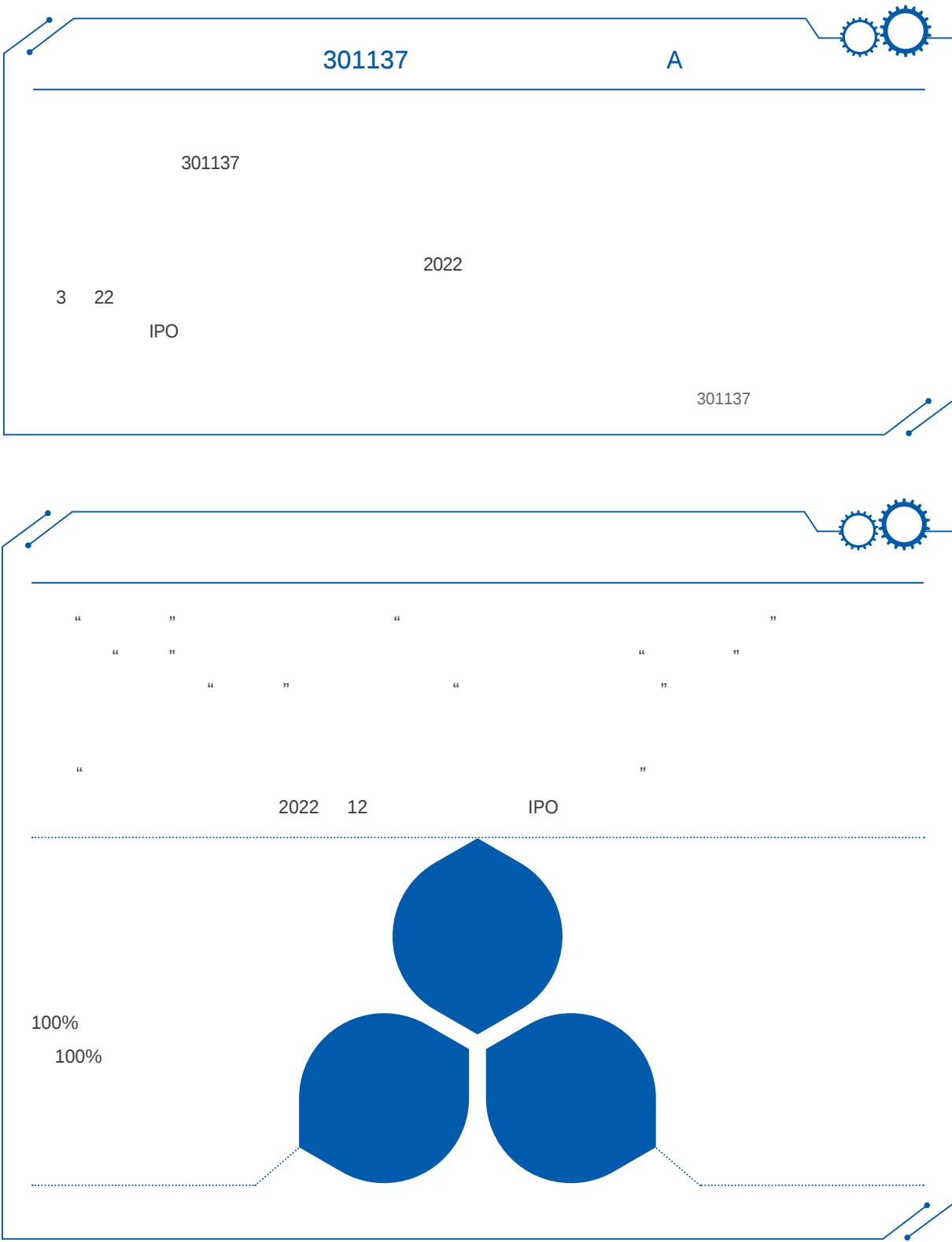
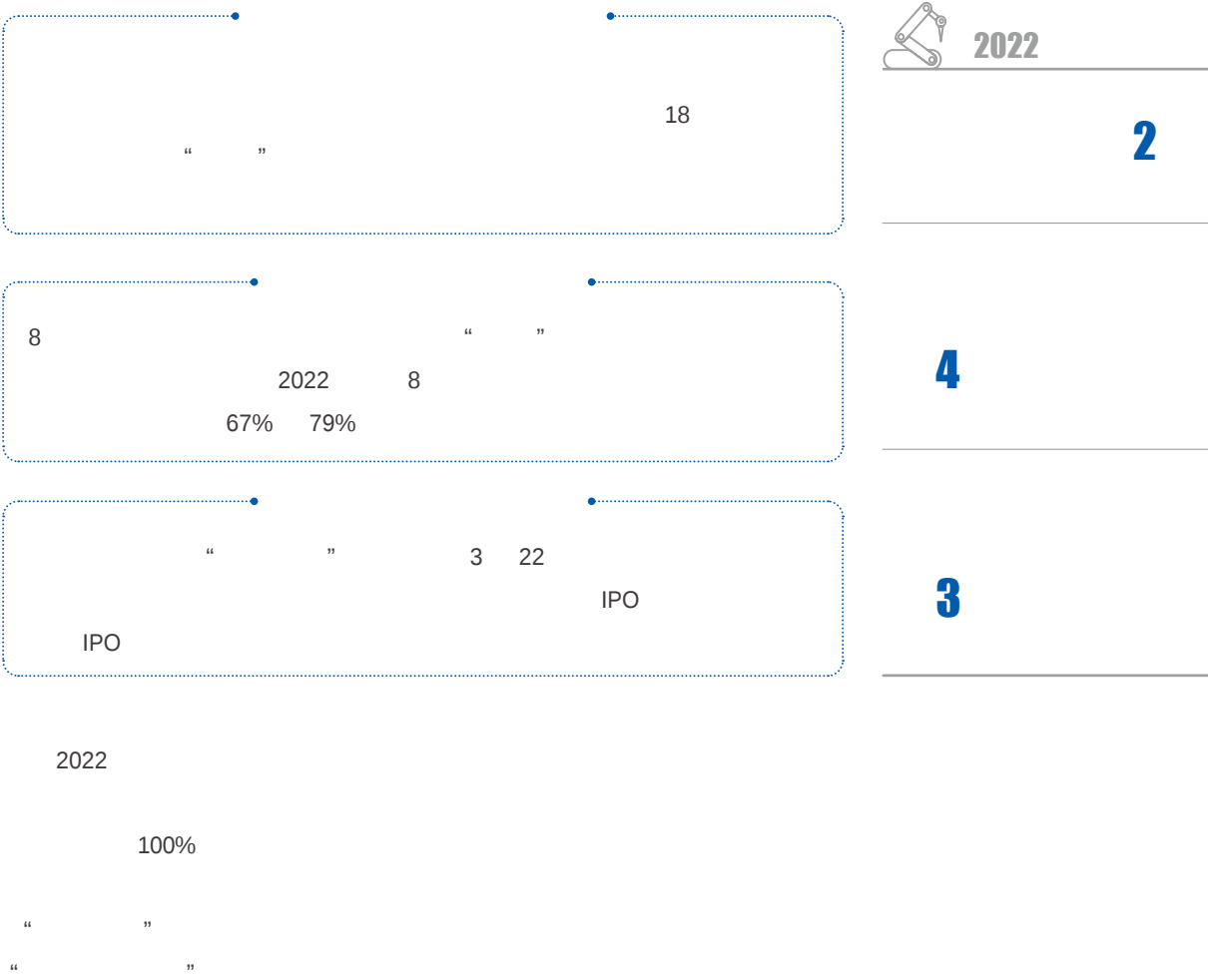






Deepening Enterprise Reform

In the pursuit of high-quality development, CAM takes reform and innovation as the fundamental driving forces. Focusing on the core tasks of the three-year action plan for SOE reform, we resolutely bring the battle to a successful end by improving the market-oriented operation mechanism, consolidating the foundations of high-quality development and reform, and blazing the trail for the distinctive reform of technology-based central SOEs.





“ Requirements in the report to the 20th CPC National Congress ”

”

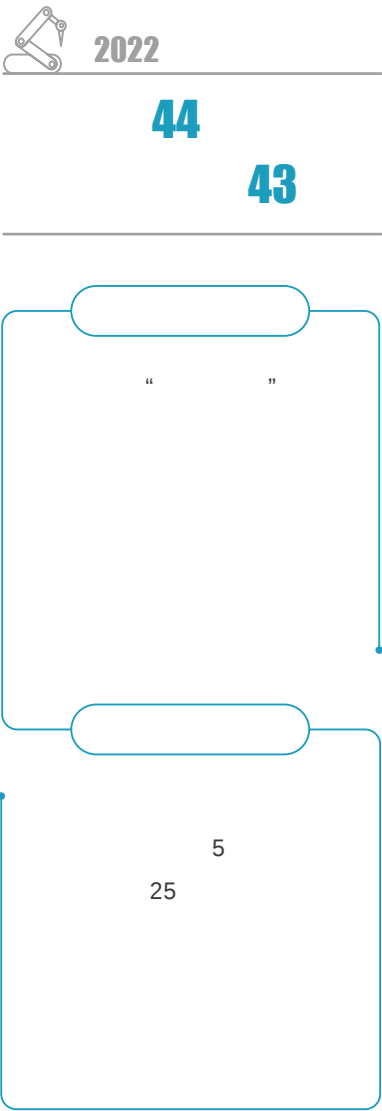
CAM Actions

-
-
-
-

Highlights

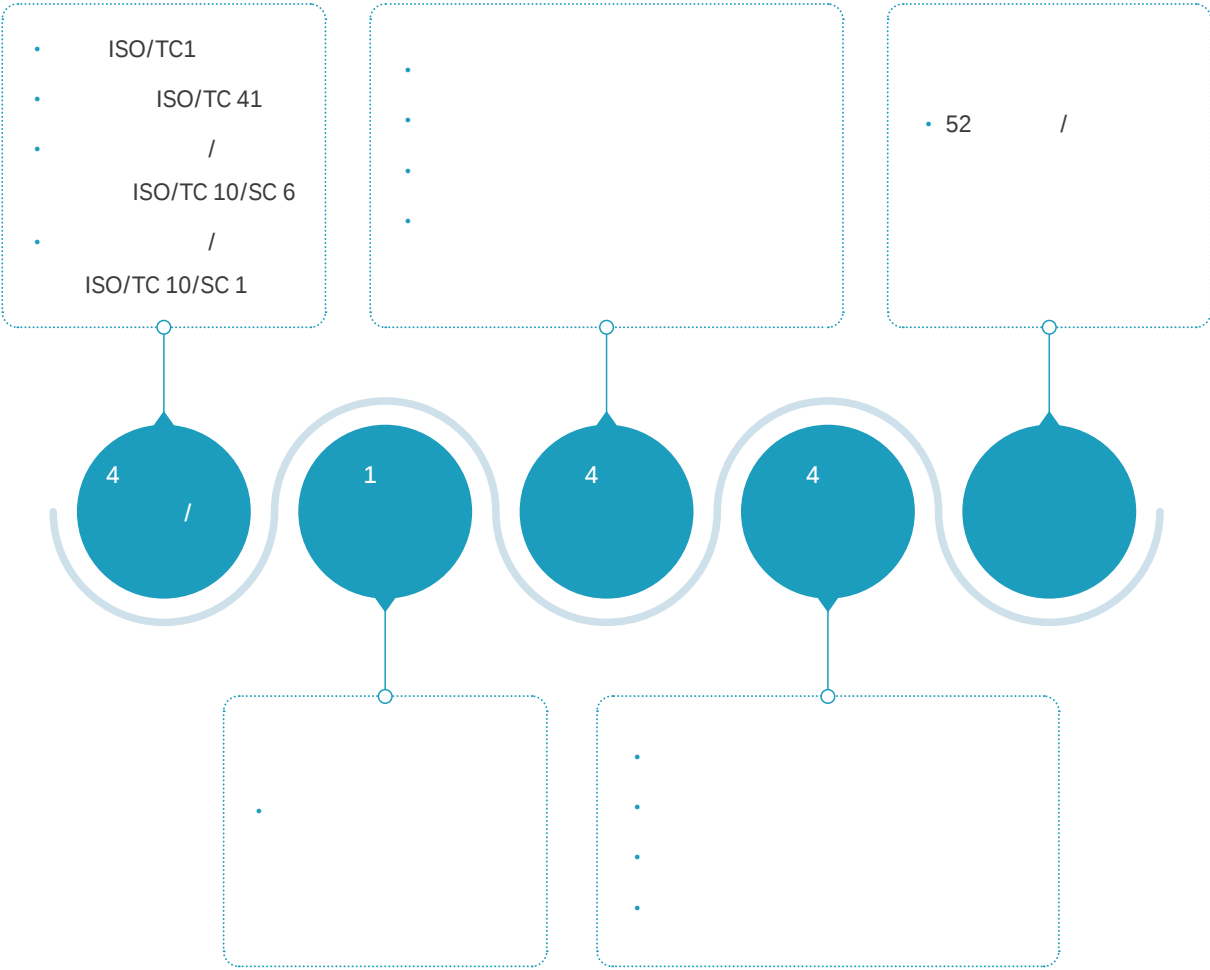
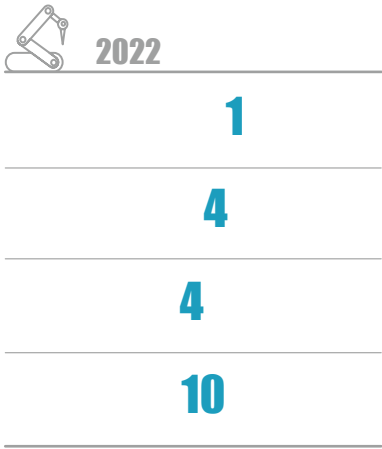
Laying Solid Foundation for Innovations

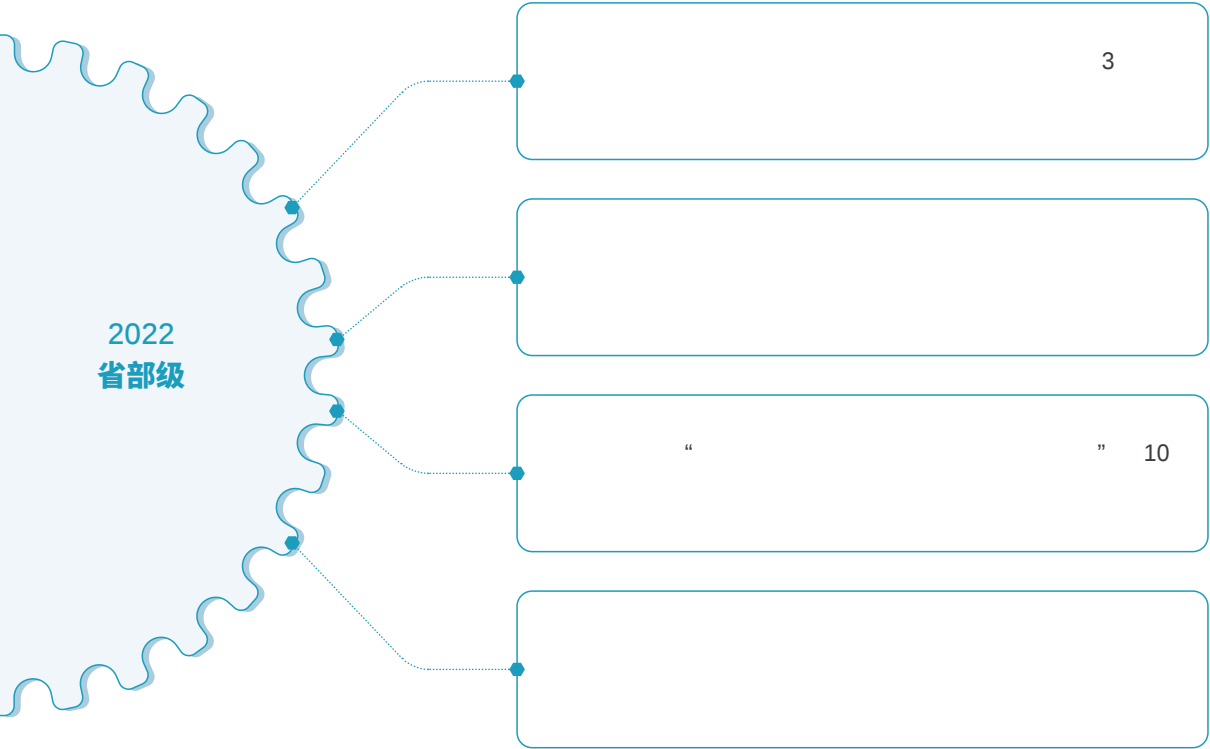
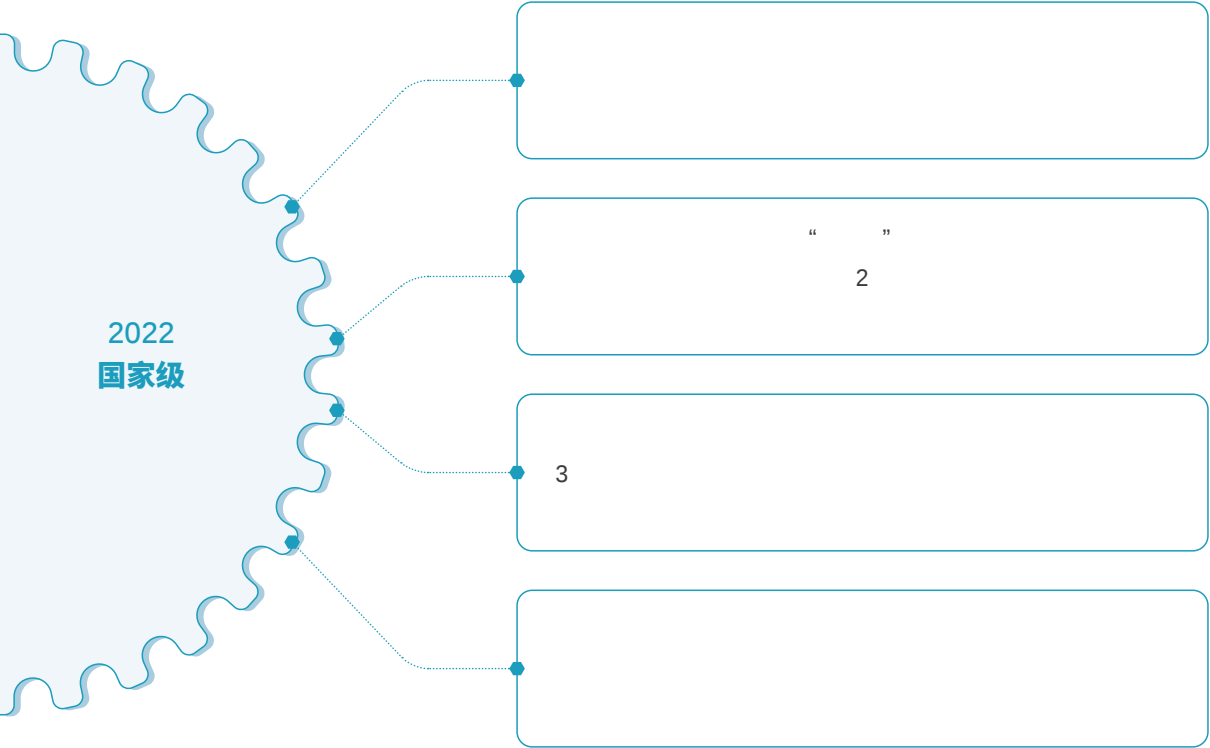
Aiming at the national strategic needs, CAM focuses on universal key technologies, follows the guidance of “systematic innovation and high-efficient investment”, and strengthens the alignment of the Group’s innovation planning with national strategies. By taking multiple measures to improve the top-level design of the innovation system, we unleash the vitality of sci-tech innovations. Meanwhile, we continue to deepen the reform of the “one academy, two systems” sci-tech system, promote the industrial innovation system, and strengthen a high-level sci-tech support system for self-reliance and self-improvement, with an aim to build China’s strategic strength in science and technology.



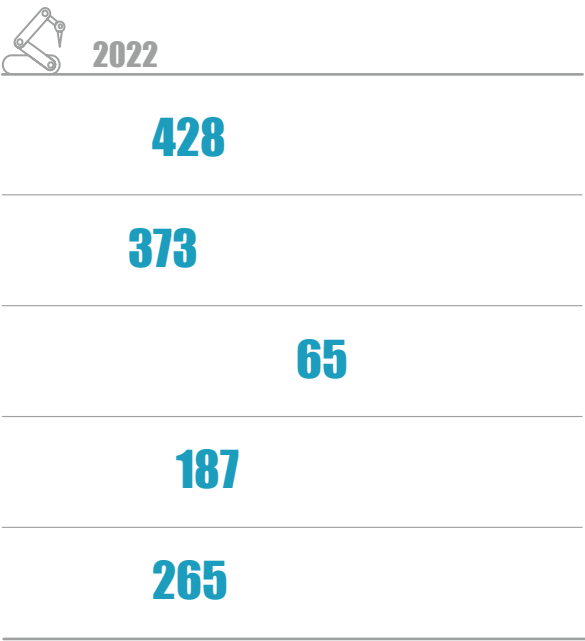
Developing Networks for Innovations

As an integral part of China’s strategic sci-tech strength, CAM actively implements the innovation-driven development strategy, focuses on the construction of high-end innovation platforms, and comprehensively launches the deployment of “one set of platforms” by echelons with concrete progress. We have formed a group of top-notch S&T innovation institutions highlighted by national innovation institutions at higher levels known as “four beams and eight pillars”, which provided strong support for technology innovation in the field of industrial machine tools and the implementation of the strategy of building China as a manufacturing power.

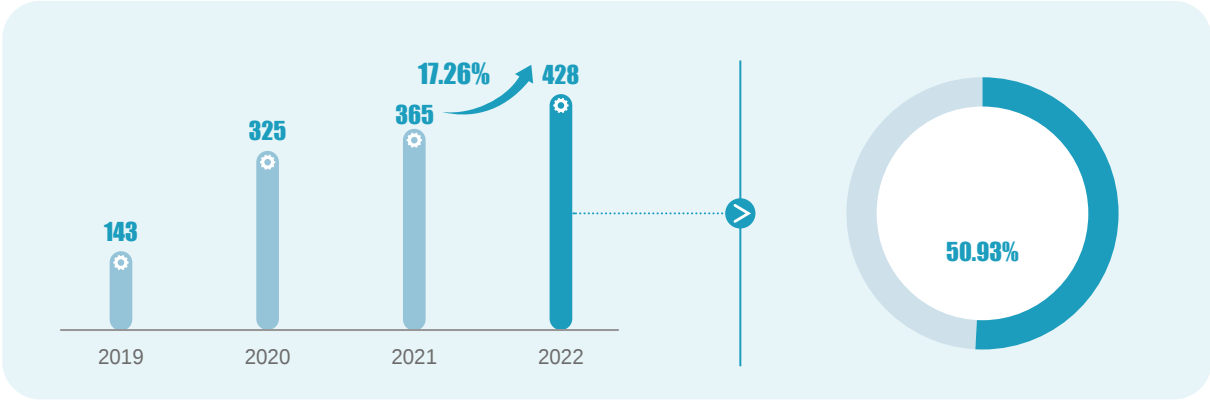
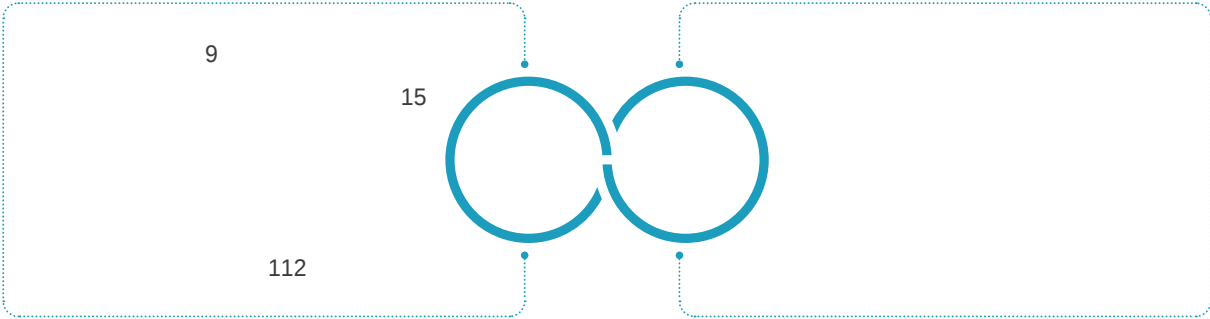




Scaling Innovative Heights Again



Bearing in mind the original aspiration and founding mission of sci-tech innovation, CAM thoroughly implements the national innovation strategy by setting sights on the global frontiers of science and technology and the major needs of the country. We actively carry out multiple types of research on key technologies, universal technologies, and cutting-edge technologies, provide strong support to major national projects with high-level scientific research achievements, and manufacture a number of original technologies and equipment, sounding the clarion call to accelerate the march to create the “place of origin” of original technology in the field of industrial machine tools.



/			
---	--	--	--

(ZL201911323841.5)

--	--	--	--

--	--	--	--

0

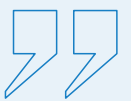
--	--	--	--

2022 10 31

B



Requirements in the report to the 20th CPC National Congress



CAM Actions



Highlights

7

4600

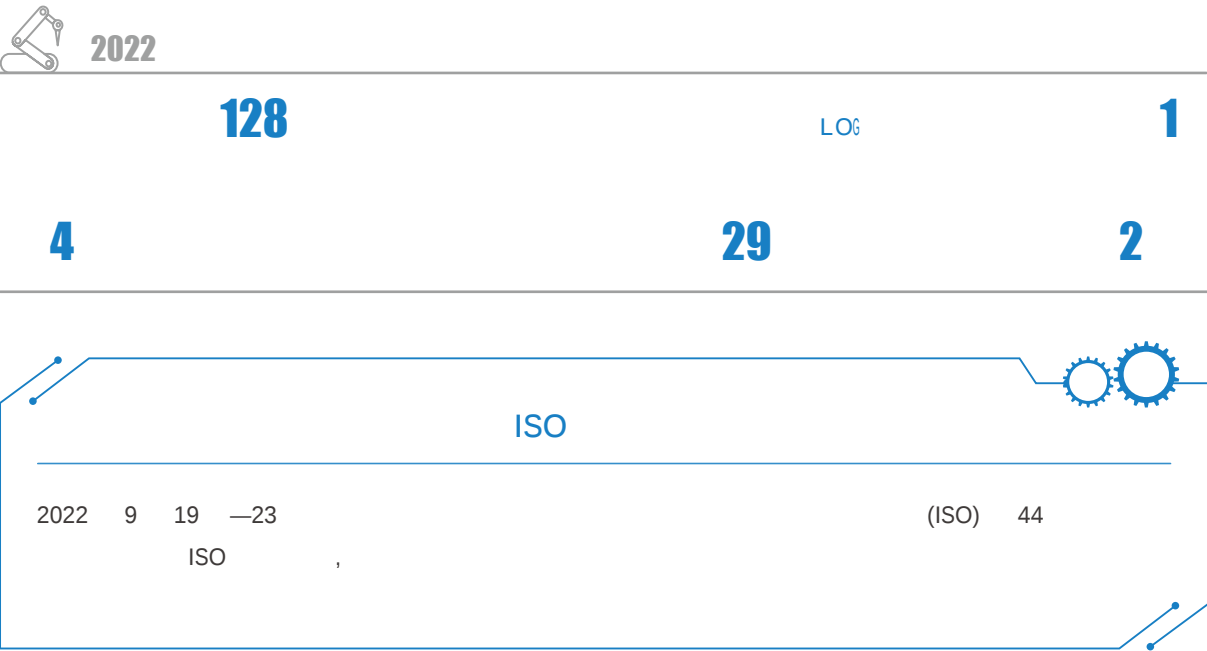
Forging Industry Advantages

Facing the needs of national strategy and industry upgrading, CAM focuses on the primary businesses, and develops new edges targeting special and sophisticated technologies to produce novel and unique products, while accelerating the transfer and commercialization of innovative achievements. At the same time, we actively cultivate new businesses, and strive to create new business models and new engines of economic growth. Besides benchmarking against world-class innovation institutions, we also build product brands to enhance market competitiveness and overall strength, and build a new highland for industry development.

	2022		
	1	2	5
	1	1	66

2022 10 26 “ ”

Standardization

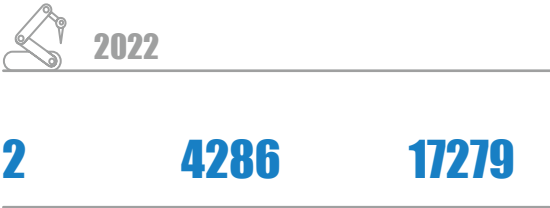


Product Testing Service



Certification and Review

/ 7



Journals

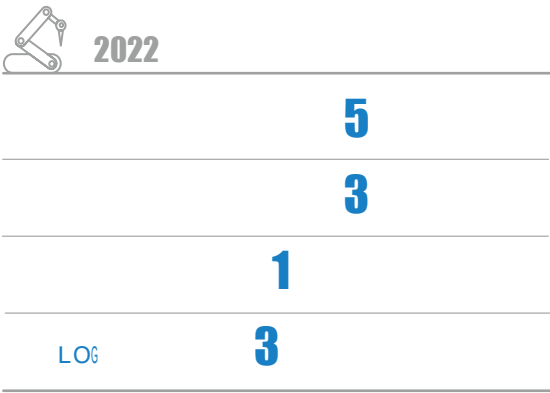
2022

“ 2021 ”



Strategic Planning and Industrial Consulting

2022



Technical Service

 2022
94

- EA211-1.5T

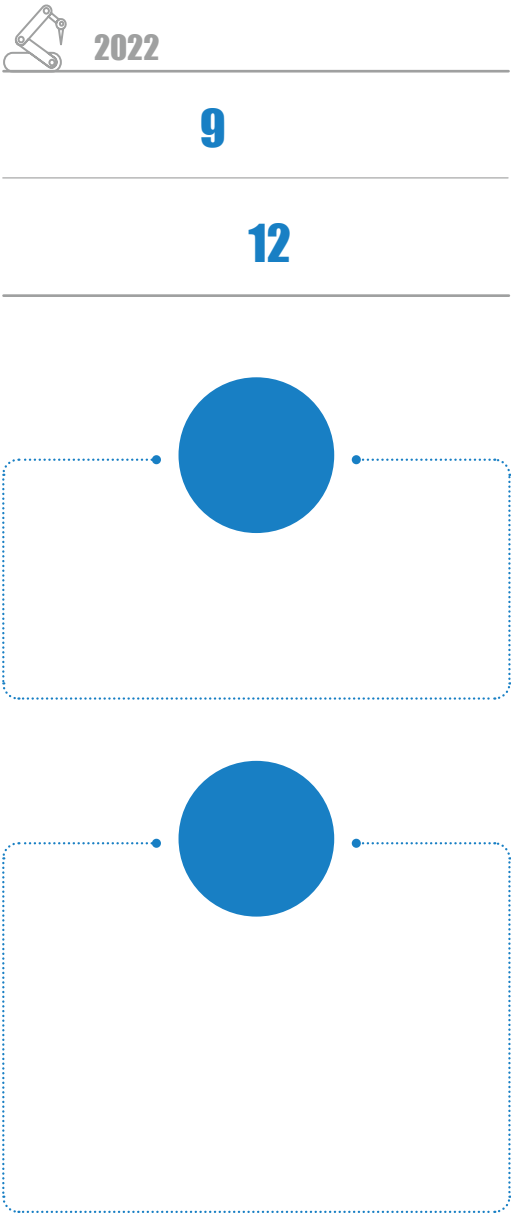
Nuclear Safety and Review

2022
“
”
2

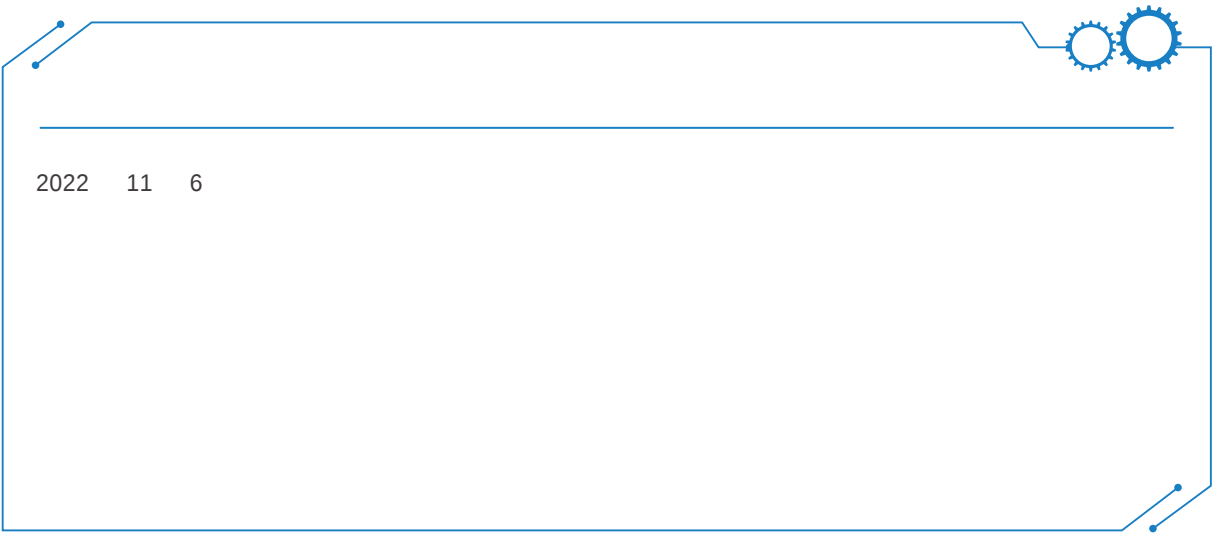
Engineering Consulting, Design and Supervision Services

 2022
811

Regional Cooperation



Corporate Cooperation



Together for a Bright Future



“ Requirements in the report to the 20th CPC National Congress ”

”

CAM Actions

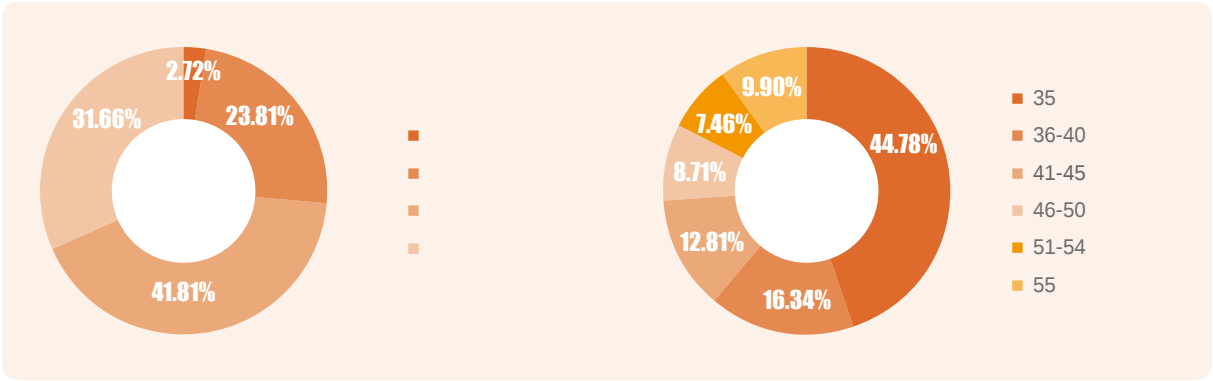
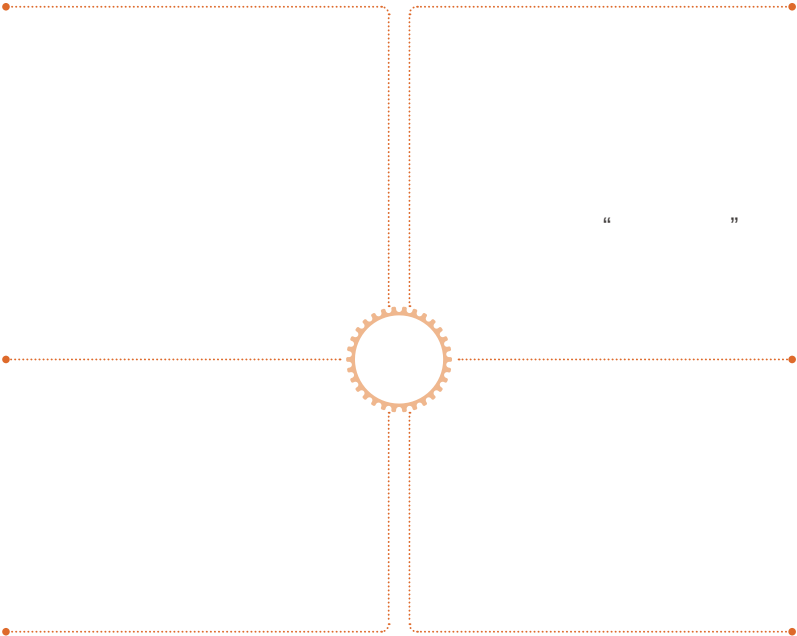
“ ”

“ ”

207 | 46969

Protecting Employees Rights

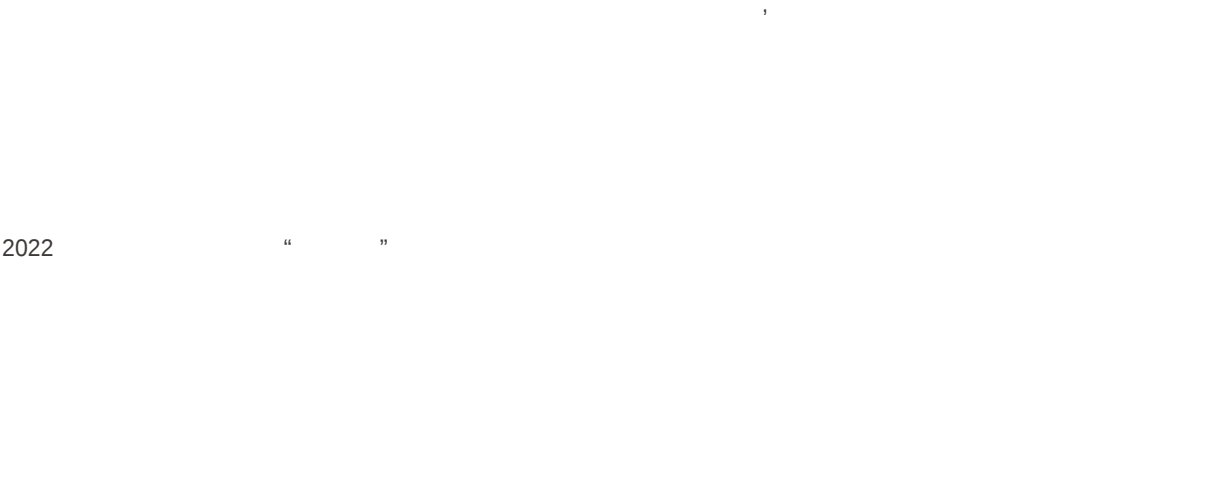
Upholding the development philosophy of “talent is the primary resource”, CAM fully protects the legitimate rights and interests of employees, safeguards their health and safety, and continuously improves the remuneration incentive system. We broaden communication channels, create a harmonious and inclusive workplace atmosphere, and provide effective talent guarantee for building a world-class innovative enterprise.

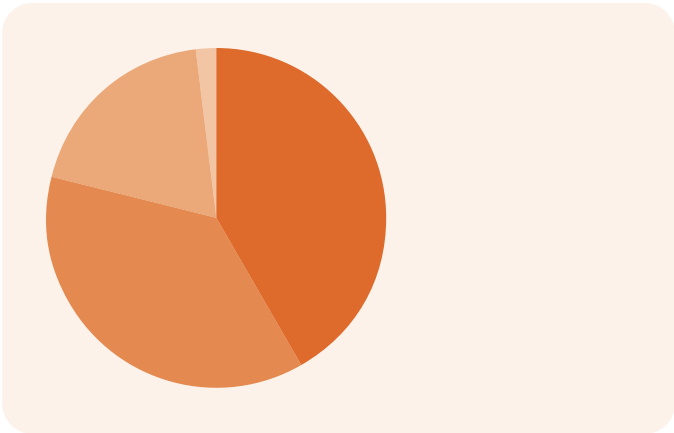
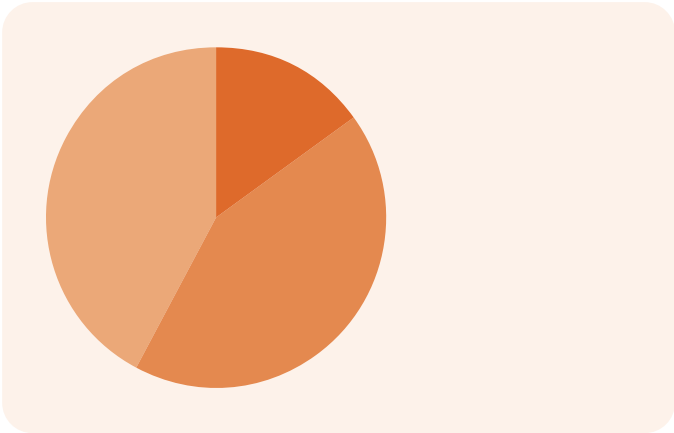


Empowering Employees Development

CAM works to establish a sound talent management mechanism. To improve the cultivation, use, and management of the talent team, we continuously increase talent introduction efforts and high-end talent subsidies. We innovate in education and training systems, unblock career development channels, and continue to promote cadre exchanges to ensure that talents can be “brought in”, “well used” and “retained”. We also create sufficient development opportunities for employees, thus providing strong talent support for corporate development.

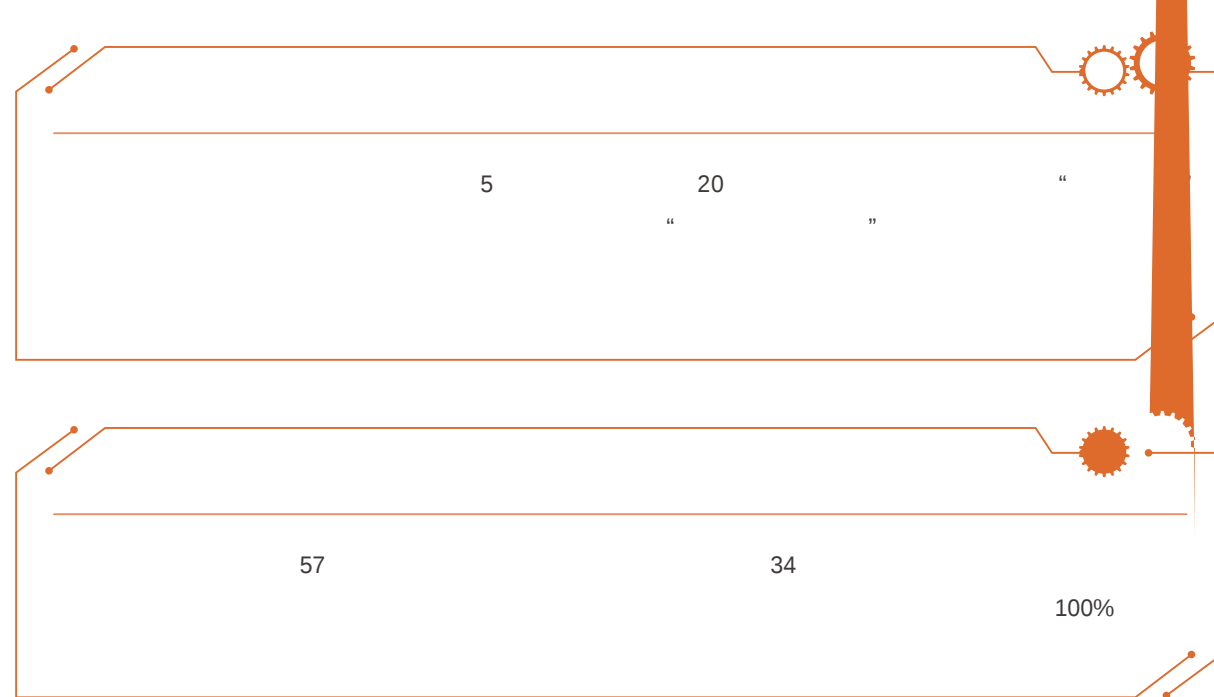
Cultivating Sci-tech Talents





Facilitating Career Development

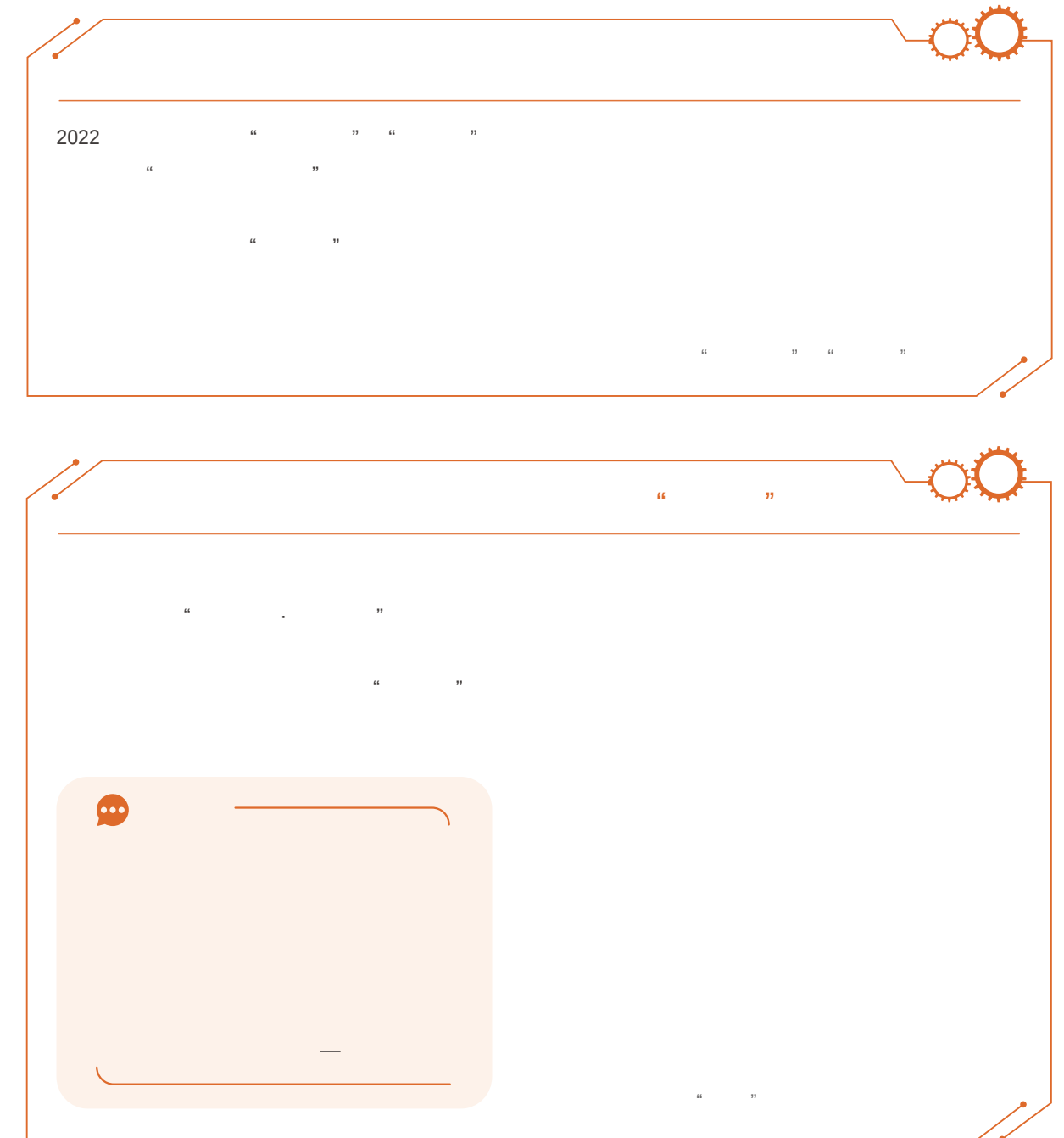
2022



Caring for Employees Life

Being employee-oriented, CAM cares about the practical life needs of all employees, continues to improve employee services, and addresses the needs and expectations of employees by focusing on practical things. In addition, we carry out a variety of corporate culture and employee care activities to help employees regulate their physical and mental state, and balance work and life while creating a warmer and more harmonious workplace.

Caring for Special Employees



Improving Livelihoods by Focusing on Practical Things

Enriching Employees Life



“ ”

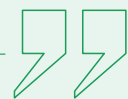
“ ”



Co-creating Harmonious Communities Wholeheartedly
to Share a Better Life



Requirements in the report to the 20th CPC National Congress



CAM Actions



“ ”

”

Highlights

895.05

2093

Advancing Rural Vitalization

2022 7 20 —26

“

”

”

“

”

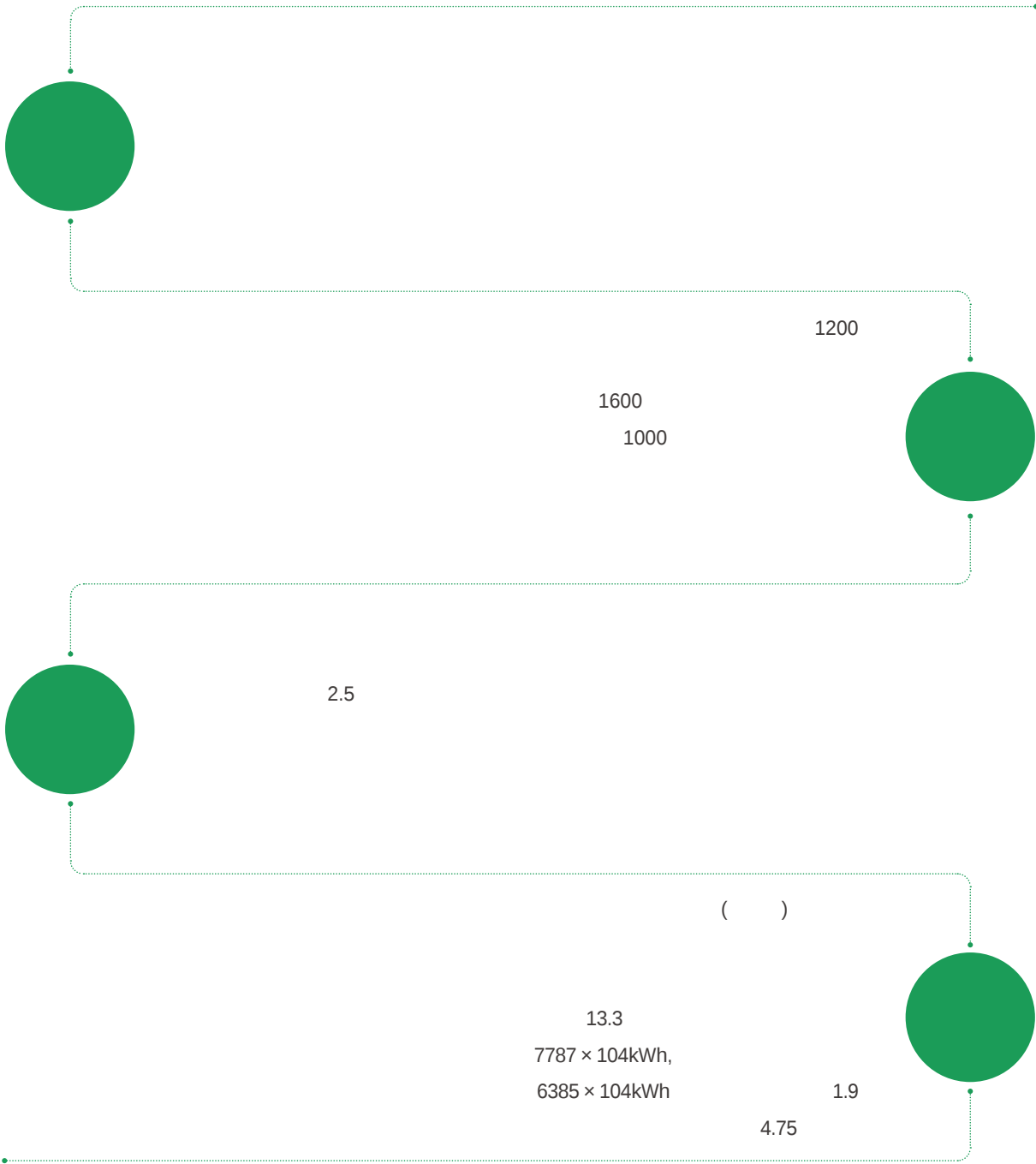
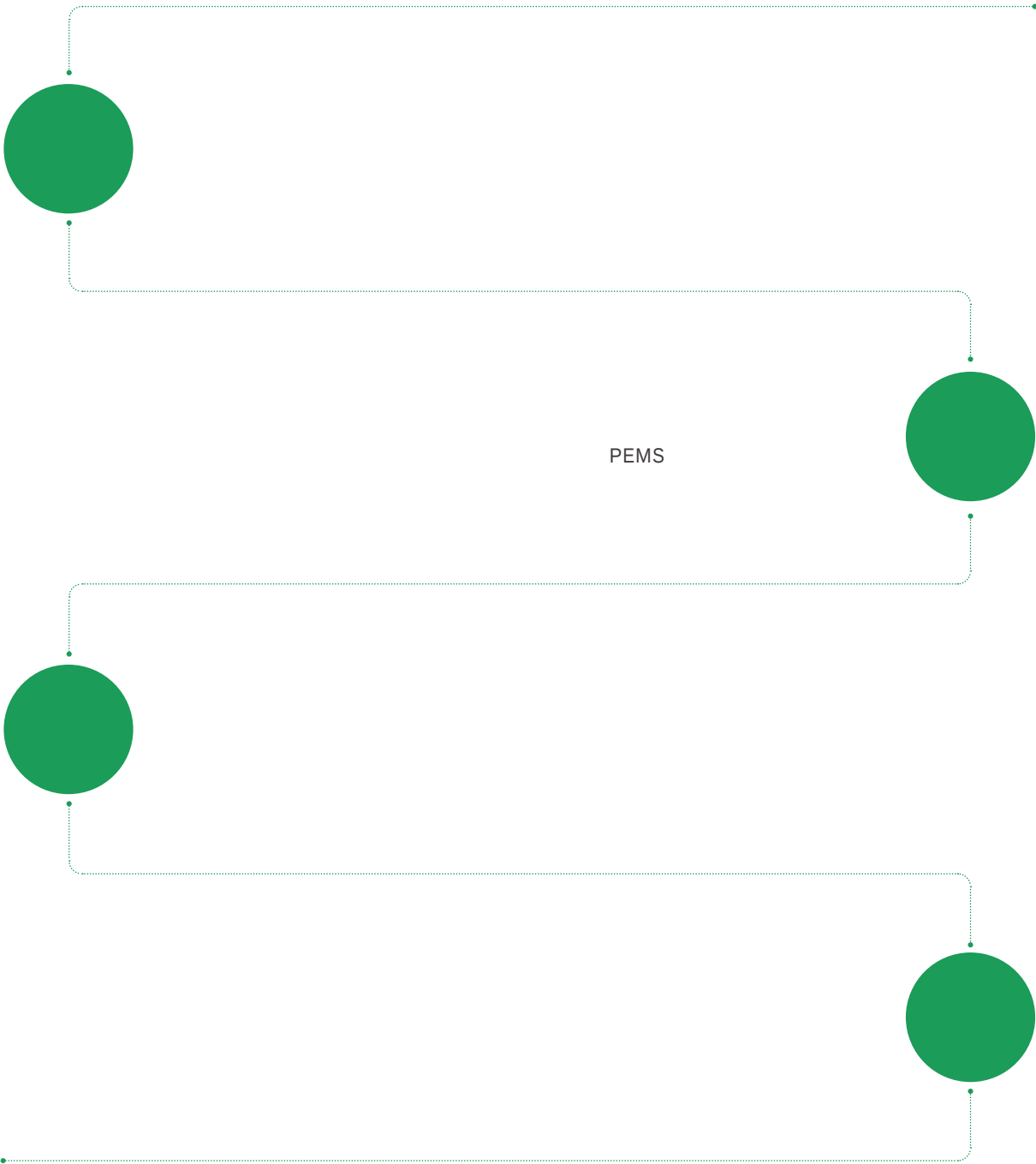
“

”

“

”

Providing Green Services



Cultivating Future Talents

Always taking talents as the foundation to boost China's strength in manufacturing, CAM formulates the construction plan of our graduate school, continues to strengthen the training of graduate students, and accelerates the cultivation of professional and technical talents, management talents and skilled talents urgently needed for the development of the manufacturing industry.

2022

7

42



2022

22

1

9

119
63#

2093

2022

16

13#

2022

Passing on Warmth

CAM deployed and implemented epidemic prevention measures as soon as possible to build a solid defense line against COVID-19. At the same time, we encourage and support employees to participate in volunteer services and public welfare activities, actively fulfil social responsibilities, and convey warmth to the society.

Fighting COVID-19

“ ”



2022 7 3

“ ” “ ”

Conduct Voluntary Service



2022 4 7 —8

“ ”

Indicator Index

		GRI (GRI Standards)	(SDGs)
		2-1 2-2 2-3	/
		2-6 2-7 2-17 2-23 201-1 203-1 203-2 413-1	
		2-1 2-9 2-11 201-1 203-1 203-2	
		2-16 2-29 3-1 3-2 3-3	/
2022		2-28 201-1 203-1 203-2	/
		/	/
		2-27 203-1 203-2	