



CCTEG

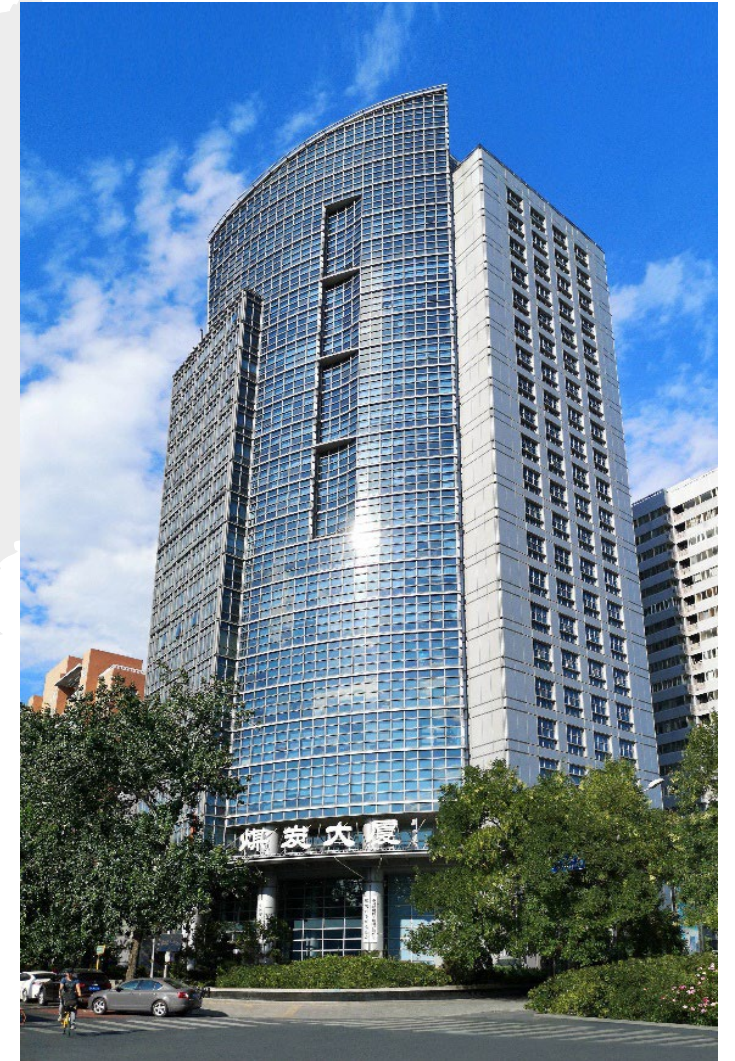
科技合作需求发布

**Demand Release in Science & Technology
Cooperation of CCTEG**

2024



- 中国煤科始终秉承“开放共享、合作共赢”的理念，高度重视并持续推动煤炭领域的国际科技合作，积极融入全球创新网络。围绕煤炭安全绿色智能开发和清洁高效低碳利用，已与多所国际知名高校和研究机构开展科研项目合作20余项，推动了行业发展与科技进步。
- Adhering to the concept of "open sharing and win-win cooperation", China Coal Technology and Engineering Group (CCTEG) attaches great importance to and continuously promotes international Science & Technology Cooperation in the field of coal, and actively integrates into the global innovation network. Focusing on the safe, green and intelligent development and clean, efficient and low-carbon utilization of coal, CCTEG has carried out more than 20 scientific research projects with several internationally renowned universities and research institutes, which have contributed to the development of the industry and scientific and technological progress.





重点合作领域 (COOPERATION RESEARCH PRIORITIES)

1. 地质安全 GEOLOGICAL SAFETY

① 冲击地压智能化工程防控技术及装备

Smart engineering prevention and control technology & equipment for rock-burst

② 地下火源探测及露天矿自燃防灭火

Underground fire detection and spontaneous combustion prevention and suppression in open pit mines

③ 高效通风除尘技术

Efficient ventilation & dedusting technology

④ 采空区精细勘探

Precise exploration of the goaf

⑤ 煤矿事故应急救援支持技术及装备

Emergency rescue support technology and equipment for coal mine accidents

⑥ 深部煤岩瓦斯灾害多信息随钻感知与智能钻进技术

Technologies of multi-information drill-following perception and smart drilling technology for gas disasters management in deep coal and rock strata

⑦ 侏罗纪烧变岩水害探查治理技术与装备

Detection and treatment technology and equipment for water hazard in Jurassic burnt rocks

重点合作领域 (COOPERATION RESEARCH PRIORITIES)

2. 矿山机电 MINING EQUIPMENT

① 矿用链条加工技术

Mechanical processing technology of mining chains

② 掘进装备截割技术与新装备研发

Development of cutting technology and new equipment for excavation equipment

③ 智能装车系统与装备

Smart loading system and equipment

④ 露天矿斗轮连续开采工艺和大容量带式输送机

Bucket wheel continuous mining technology in open-pit mine and large capacity belt conveyor

⑤ 采煤机单机装备可靠性及智能化提升

Improvement in reliability and Intellectualisation of shearers

⑥ 高端刮板输送机质量提升及产品研发

Quality improvement and product development of high-end scraper belt conveyors

⑦ 矿用氢能动力技术预研

Pre-research on hydrogen power technology for mining machinery



重点合作领域 (COOPERATION RESEARCH PRIORITIES)

3. 智慧矿山 SMART MINING

① 智慧矿山AI系统开发

Development of AI system for smart mines

② 矿山机器人基础提升与智能化应用

Basic improvement and intelligent application of mining robots

③ 主要灾害精准感知与融合监控系统开发

Development of precise perception and integrated monitoring system for major disasters

④ 矿山智能供电系统研发与示范

Research and demonstration of smart power supply system for mines

⑤ 矿山网络通信技术与大数据治理体系应用研究

Application research of network communication technology and big data processing system for mines



重点合作领域 (COOPERATION RESEARCH PRIORITIES)

4. 清洁高效利用

CLEAN AND EFFICIENT UTILISATION

① 管道输煤运维保障技术研究

Research on operation and maintenance technologies for Pipeline Transportation of coal

② 智能化选煤厂管控平台及过程控制技术

Smart control platform and process control technology for CHPP

③ 气流床气化细渣处置成套技术开发

Development of set of technology for the disposal of fine slag in fluidised bed gasification

④ 集中供热蒸汽管网热损失管控技术

Heat loss control technology for centralised heating steam pipelines

⑤ 煤矸石悬浮脱碳技术及资源化利用

Suspension decarbonisation technology and utilisation of coal gangue



重点合作领域 (COOPERATION RESEARCH PRIORITIES)

5. 可持续发展 SUSTAINABLE DEVELOPMENT

① 化工废水低碳高效处理

Low-carbon and efficient treatment of wastewater in chemical industry

② 矿区微生物生态修复技术

Microbial remediation in mining area recultivation

③ 城市排水管网安全监控技术及装备研发

Research and development of safety monitoring technology and equipment for urban drainage pipelines

④ 高盐矿井水高价值副产盐转化技术与装备

High-value by-product salt conversion technology and equipment for high salt mine water

⑤ 城市建筑体检与绿色修缮技术及产品研发

Research on urban building physical examination and green repair technology & products



CCTEG 科技合作项目申报流程和关键时间节点

事项	日期 (估计)
发布科技合作需求	2024年03月22日
项目意向书递交截止	2024年04月19日
项目意向书审议结束	2024年05月10日
发布审议结果通知, 邀请提交项目申报书	2024年05月17日
项目申报书提交截止	2024年06月21日
项目申报书审议结束	2024年07月05日
项目申请书审议结果通知	2024年08月02日
项目合同的签署和项目的启动	2024年09月06日



CCTEG AMT FUNDING RESEARCH PROGRAMME AND KEY DATES

Post-forum Milestones	Date (estimated)
Call for Express of Interest(EOI)	22 Mar 2024
Closing Date for EOI	19 Apr 2024
Consideration of EOI by CCTEG Academic Committee	10 May 2024
Notification of EOI outcomes & Invitations for Full Proposal	17 May 2024
Close of Full Proposal of Project Application	21 Jun 2024
Consideration of Full Proposal of Project Application	05 Jul 2024
Notification of outcomes of Application	02 Aug 2024
Execution of Project Contract and Project Commencement	06 Sep 2024

THANK YOU

谢谢

In case of any inquiry, please do not hesitate to contact us via:

Mr. Dai Shuangcheng Email: scdai@cctegamt.com

Dr.Zhao Liang Email: lzhao@cctegamt.com

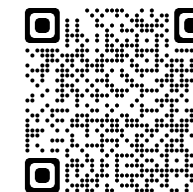
如有任何疑问，请随时通过以下方式联系我们：

代双成 先生 邮箱: scdai@cctegamt.com

赵良 博士 邮箱: lzhao@cctegamt.com



Website



LinkedIn

AUSTRALIA (AZURE MINING TECHNOLOGY PTY LTD)

Add : Suite 1904, Tower A, 821 Pacific Highway, Chatswood

NSW 2067 Sydney Australia

Tel : +61 423 419 568 /420 617 688

Web : amtcteg.com.au