



领航中国绿色能源
Leading China's Green Energy



水电水利规划设计总院
China Renewable Energy Engineering Institute
北京西城区，德外，六铺炕北小街2号
No.2 Beixiaojie Street, Liupukang, Dewai,
Xicheng District, Beijing 100120, China.
邮编/Post Code 100120
网址/website www.creei.cn



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OVERVIEW 概况

水电水利规划设计总院（以下简称“水电总院”），作为可再生能源行业新型智库和技术服务机构，一直致力于在可再生能源领域为政府高端决策、行业健康发展提供技术支撑服务。主要面向政府、能源企业、金融机构开展可再生能源行业政策研究、行业规划及各类技术服务。受国家相关部门委托，管理国家可再生能源信息管理中心等多个中心机构，是国家能源局确定的第一批研究咨询基地，也是国家能源领域行业标准化管理机构。水电总院以深厚的品牌积淀、高素质的专家人才队伍和全面创新的文化理念为支撑，为建设绿色低碳、安全高效的现代能源体系提供高质量的智库研究服务。

China Renewable Energy Engineering Institute (hereinafter referred to as "CREEI"), as a new-type think tank and technical service institution in the renewable energy industry, has been committed to providing technological services for the government's high-level decision-making and healthy development of the renewable energy industry. CREEI mainly carries out renewable energy policy research, industrial planning and technical services for the government departments, energy enterprises and financial institutions. Entrusted by relevant government departments, CREEI operates multiple centers and institutions, such as National Renewable Energy Information Management Center. It is one of the first batch of research and advisory bodies approved by the National Energy Adminis-

tration (NEA). CREEI is also an industry standardization management body in the energy sector. Supported by profound brand accumulation, high-quality expert team, and all-round innovative cultural concept, CREEI provides high-end think tank support services for building a green, low-carbon, safe and efficient modern energy system.



HISTORY 历史沿革

1950

燃料工业部水力发电工程局
Administration of Hydropower
Engineering, Ministry of Fuel
Industry

1953

燃料工业部水力发电建设总局
General Administration of Hydropow-
er Construction, Ministry of Fuel
Industry

1955

电力工业部水力发电建设总局
General Administration of Hydropow-
er Construction, Ministry of Electric
Power Industry

1958

水利电力部水利水电建设总局
General Administration of Water Resour-
ces and Hydropower Construction, Ministry
of Water Resources and Electric Power

1979

电力工业部水力发电建设总局
General Administration of Hydro-
power Construction, Ministry of
Electric Power Industry

1982

水利电力部水利水电建设总公司 (总局)
General Corporation (General Administration) of
Water Resources and Hydropower Construction,
Ministry of Water Resources and Electric Power

1986

水利电力部水利水电规划设计院
Water Resources and Hydropower
Planning Design Institute, Ministry of
Water Resources and Electric Power

1988

能源部、水利部水利水电规划设计总院
General Institute of Water Resources and
Hydropower Planning Design, Ministry of Energy
and Ministry of Water Resources

1995

电力工业部水电水利规划设计总院
(水电水利规划设计管理局)
General Institute of Hydropower and Water
Resources Planning and Design (Administra-
tion of Hydropower and Water Resources
Planning and Design), Ministry of Electric
Power Industry

1998

国家电力公司水电水利规划设计总院
中国水电水利及新能源发电工程有限公司
General Institute of Hydropower and Water Resources
Planning and Design, National Power Corporation
China Hydropower and Water Resources and New
Energy Engineering Co., Ltd.

2002

水电水利规划设计总院隶属
中国水电工程顾问集团公司

China Renewable Energy Engineering
Institute, associated with China Hydropow-
er Engineering Consulting Group Co.Ltd.

2020

水电水利规划设计总院有限公司
水电水利规划设计总院
隶属中国电力建设集团有限公司

China Renewable Energy Engineering
Institute Co., Ltd.
China Renewable Energy Engineering
Institute, associated with Power
Construction Corporation of China

2011

水电水利规划设计总院
隶属中国电力建设集团有限公司

China Renewable Energy Engineering
Institute, affiliated with Power Construction
Corporation of China

ORGANIZATION

组织机构



● 职能与综合管理部门

Functional Departments and Comprehensive Management Departments

公司办公室/董事长办公室/总经理工作部/智库办公室
Co. Office/Chairman's Office/Work Department of General Manager/Think Tank Office

党委工作部/党委宣传部/巡察办公室/工会办公室
Party Committee Work Department/Party Committee Publicity Department/Inspection Office/Office of the Labor Union

党委组织部/人力资源部
Party Committee Organization Department/Human Resources Department

计划发展部
Planning and Development Department

财务资金部/财务共享中心
Financial Funds Department/Financial Sharing Center

技术质量安全部/总工程师办公室
Quality and Safety Department/Chief Engineer's Office

纪委办公室/审计部/法律事务部
Party Discipline Committee Office/Audit Department/Legal Affairs Department

科技标准部
Technology Standards Department

国际业务部
International Business Department

● 业务部门

Business Departments

规划部
Planning Department

新能源研究院
New Energy Research Institute

水电工程部
Hydropower Engineering Department

水库经济部
Reservoir Economy Department

环境保护部
Environmental Protection Department

工程造价部
Project Cost Department

质量监督部
Quality Supervision Department

质量安全咨询部
Quality and Safety Consulting Department

信息数据中心
Information and Data Center

● 中心机构

Specialized Agencies

国家可再生能源信息管理中心
National Renewable Energy Information Management Center

国家防汛抗旱技术研究中心
National Center for Flood Control and Drought Relief Technology Research

国家能源水电工程技术研发中心
National Energy and Hydropower Engineering Technology Research Center

可再生能源发电工程质量监督站
Quality Supervision Station for Renewable Energy Power Projects

可再生能源定额站
Renewable Energy Quota Station

可再生能源标准化管理中心
Renewable Energy Standardization Management Center

流域综合监测中心
Comprehensive Monitoring Center for River Basins

中国-国际可再生能源署合作办公室
Office for China-IRENA Cooperation

中国电建集团新能源规划研究中心
New Energy Planning and Research Center of Power Construction Corporation of China

中国电建集团技术中心
Technology Center of Power Construction Corporation of China

● 子公司

Subordinated companies

中国水利水电建设工程咨询有限公司
China Water Resources and Hydropower Engineering Consulting Co., Ltd.

《水力发电》杂志社有限公司
Hydropower News Magazine Co., Ltd.

哈密智源信息技术有限公司
Hami Zhiyuan Information Technology Co., Ltd.

乐山中电建生态环保科技有限公司
Leshan PowerChina Ecological Environmental Protection Technology Co., Ltd.



BUSINESS AND TECHNOLOGIES

业务技术



- 政策研究

Policy Research
- 发展规划

Development Planning
- 技术审查

Technological Review
- 技术咨询评估

Technological Consulting and Evaluation
- 安全鉴定

Safety Appraisal
- 工程验收

Project Acceptance
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Quality Supervision
- 技术标准

Technological Standards
- 信息技术服务

Information Technology Services
- 国际业务

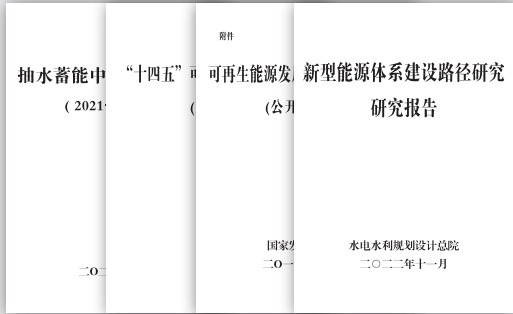
International Business

政策研究

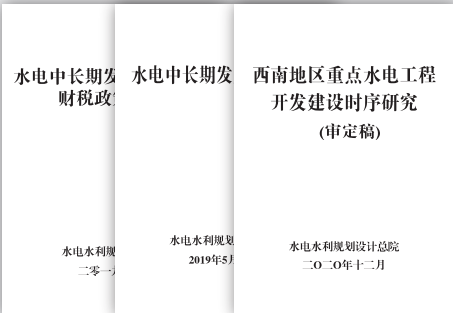
Policy Research

水电总院始终关注可再生能源发展的前瞻性、战略性、系统性问题，开展了绿证机制、抽水蓄能电价机制、能耗双控向碳双控转变等重大政策机制研究，支持《可再生能源法》修订、新时代促进新能源高质量发展等重要政策机制建立健全，支持和促进水电流域综合管理、安全应急、水库移民、风电场改造升级和退役、新型储能管理、农村能源革命试点等一系列政策措施发布实施，积极为中国-东盟、中非、中阿、中巴等多双边合作机制提供技术支持。

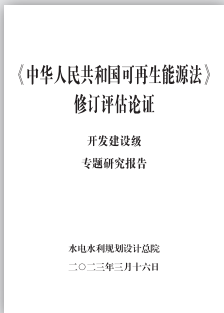
With a focus on forward-looking, strategic, and systematic issues related to the development of renewable energy, CREEI has conducted research on major policy mechanisms, such as the green certification mechanism, electricity pricing mechanism of pumped storage power stations, and transition mechanism from dual control of energy consumption to dual carbon control. It supports the establishment and improvement of major policy mechanisms such as the revision of the Renewable Energy Law of the People's Republic of China and the promotion of high-quality development of new energy in the new era, and pushes forward the introduction and implementation of a series of policy measures, such as integrated hydropower basin management, safety and emergency response, reservoir resettlement, renovation and decommissioning of wind farms, new energy storage management, and pilot rural energy revolution. CREEI actively provides support for multilateral and bilateral cooperation mechanisms, such as China-ASEAN, China-Africa, China-UAE, and China-Pakistan.



组织行业相关管理办法研究
Organize studies on related industrial management measures



组织行业相关政策研究
Organize studies on related industrial policies



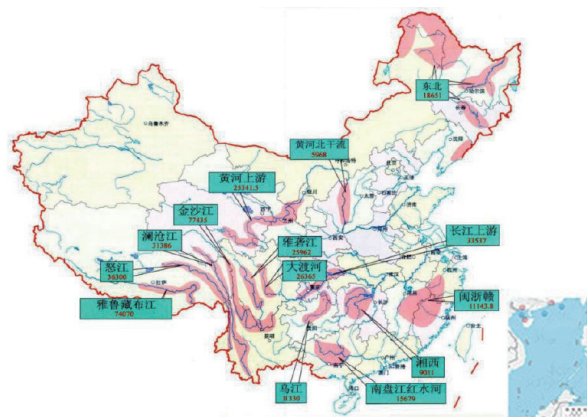
参与《中华人民共和国可再生能源法》修订
Participate in the revision of the Renewable Energy Law of the People's Republic of China

发展规划

Development Planning

水电总院承担了我国可再生能源历次“五年发展规划”研究工作。近年来，牵头组织完成国家“十四五”可再生能源发展规划研究工作，承担了国家综合防灾减灾规划、“十四五”防汛抗旱应急能力建设规划等研究编制工作；参与了“十四五”能源、电力、科技、体制机制规划研究。组织完成多个流域水电规划研究编制及调整工作；组织开展了全国主要流域水风光一体化规划、深远海海上风电发展规划、大型风电光伏基地、抽水蓄能等可再生能源重大专题规划研究与实施；支持各省“十四五”可再生能源规划研究工作。

CREEI has undertaken the research on all previous "Five-Year Plans" for renewable energy in China. In recent years, CREEI has led the organization and completion of research on the "14th Five-Year Plan" for renewable energy, undertaken research and preparation of the national comprehensive disaster prevention and reduction plan, and the plan for flood prevention and drought relief emergency capacity building during the 14th Five-Year Plan period; and participated in the planning and research on energy, power, technology and institutional mechanisms during the 14th Five-Year Plan period. CREEI has organized the research, preparation and adjustment of hydropower plans for multiple river basins; led the research and implementation of major thematic plans for renewable energy, including the integrated plan for hydropower, wind and solar power in major river basins across the nation, and the development plans for offshore wind power at deep and far seas, large-scale wind power and photovoltaic power bases, and pumped storage power stations; and supported the research on the "14th Five-Year Plan" for renewable energy in various provinces.



我国十四大水电基地示意图
Schematic Diagram of 14 Major Hydropower Bases in China



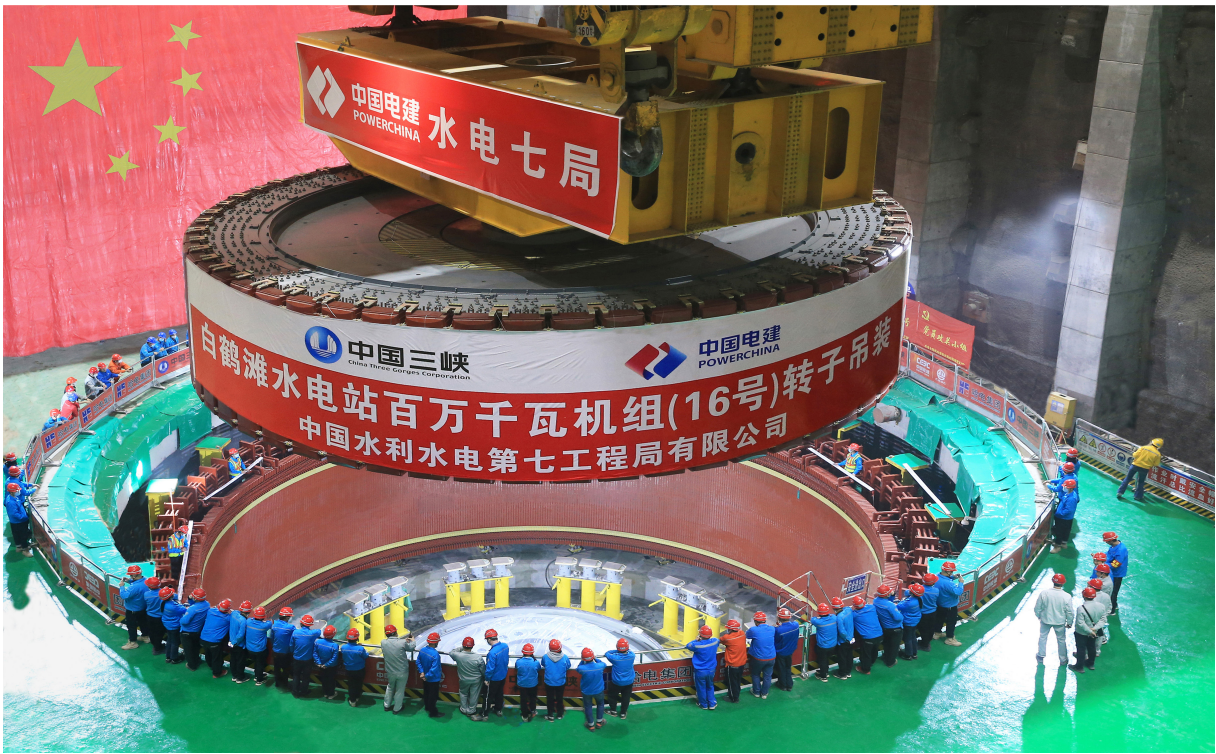
我国“十四五”可再生能源发展布局
Development Layout of Renewable Energy in China during the "14th Five-Year Plan" Period

技术审查

Technological Review

水电工程技术复杂，大坝工程涉及河流上下游人民生命财产安全，对水电工程勘测设计文件进行技术审查是我国水电技术管理的一项基本制度。技术审查包括河流水电规划报告（或抽水蓄能电站选点规划报告）审查、预可行性研究报告审查、可行性研究报告审查以及有关专题报告审查。

The technology of hydropower engineering is complex, and dam project involves the safety of people's lives and property in the upstream and downstream of rivers. Therefore, technical review of hydropower projects survey and design documents is a basic system for hydropower technical management in China. Technical review includes the review of river hydropower plans (or site selection plans of pumped storage power stations), the pre-feasibility study reports, the feasibility study reports and other relevant thematic reports.



世界上单机容量最大的水轮机

The water turbine with the largest stand-alone capacity in the world

白鹤滩水电站：国产水轮机组单机容量突破1000MW

Baihetan Hydropower Station: domestic water turbine sets with a stand-alone capacity exceeding 1,000 MW

单机容量突破

The stand-alone capacity exceeds

1000 MW

水电总院坚持科学、独立、公正原则，受政府有关主管部门或行业相关单位委托，按照工程基本建设程序、相关管理办法、规程规范等要求，承担全国主要河流流域规划审查、抽水蓄能选点规划审查、大中型常规水电工程项目技术审查、抽水蓄能及新型储能项目技术审查、新能源发展规划及重点项目技术审查等技术服务工作。

By adhering to the principles of science, independence, and impartiality, CREEI is entrusted by relevant government departments or industry-related institutions to undertake the review of major river basin plans and site selection plans of pumped storage power stations, the technical review of large and medium-sized conventional hydropower engineering projects, the technical review of pumped storage power station projects and new energy storage projects, the technical review of new energy development plans and key projects in accordance with the requirements of basic engineering construction procedures, relevant management measures, regulations, and specifications.



长距离海缆线路、超大直径单桩基础
Long-distance submarine cable line, super large diameter monopile foundation

江苏如东H5：海上风电场工程
H5 Offshore Wind Farm in Rudong, Jiangsu.

总装机容量
With total installed capacity

300 MW

离岸距离
Offshore distance

48 km

技术咨询评估

Technological Consulting and Evaluation

技术咨询评估包括水电工程建设期技术咨询、安全评价及风险评估等内容。

建设期技术咨询是在水电工程建设过程中，对涉及工程质量、安全、进度及投资等管控目标的设计变更、关键技术、疑难问题、优化方案、造价控制等方面内容提供技术指导与咨询。水电总院先后承担了锦屏一级和二级、丰宁抽水蓄能电站等70余座大型水电工程的建设期技术咨询工作。

Technological consulting and evaluation include technological consulting, safety evaluation, and risk assessment during the construction period of hydropower projects.

Technological consulting during the construction period is to provide technological guidance and consulting on design changes, key technologies, difficulties, optimization plans, and cost control related to project quality, safety, progress, and investment control objectives during the construction process of hydropower projects. CREEI has successively undertaken the technological consulting during the construction period of more than 70 large-scale hydropower projects, including Jinping Cascade I Hydropower Station, Jinping Cascade II Hydropower Station, and Fengning Pumped Storage Power Station, etc.



复杂地质条件，地下洞室群关键技术

Key technology of underground cavern complex under complicated geological conditions

溪洛渡水电站：地下洞室规模世界第一

Xiluodu Hydropower Station: the world's largest underground cavern

安全评价是运用安全理念和方法，对危险有害因素进行定性、定量评价并提出切实可行的安全对策措施建议，主要包括安全预评价、验收评价、现状评价、后评价。水电总院陆续承担了全国320多项水电、新能源工程安全评价工作。

风险评估是通过全面深入地开展安全风险辨识、工程安全性与可靠性复核、潜在失效模式分析、可能后果分析估算、安全风险等级评估，提出工程安全风险防控策略，为推进国家安全体系建设提供技术支撑服务。近年来，水电总院组织完成首批水电工程安全风险评估试点工作。

Safety evaluation is to qualitatively and quantitatively evaluate hazardous and harmful factors and propose practical and feasible safety countermeasures and suggestions by using safety concepts and methods, mainly including safety pre-evaluation, acceptance evaluation, current situation evaluation, and post evaluation. CREEI has successively undertaken the safety evaluation for more than 320 hydropower and new energy projects in China.

Risk assessment is to put forward engineering safety risk prevention and control strategies and provide technological support services for promoting the construction of the national security system through comprehensive and in-depth safety risk identification, engineering safety and reliability review, potential failure mode analysis, possible consequence analysis and estimation, and safety risk level assessment. In recent years, CREEI has organized and completed the first batch of pilot projects for safety risk assessment of hydropower projects.



世界水电最大规模高边坡群
The world's largest high slope complex for hydropower

两河口电站坝：世界水电第二高边坡
Lianghekou Hydropower Station Dam: the world's second highest slope for hydropower

最高边坡
The highest slope
684 m

安全鉴定

Safety Appraisal

安全鉴定是按照法律法规、规程规范、设计成果及审批意见、合同文件等相关依据，检查项目是否存在影响工程安全的问题，并提出结论意见，对于确保工程顺利验收、安全运行以及有效防范工程建设风险具有重要意义。安全鉴定分为专项安全鉴定、蓄水安全鉴定和竣工安全鉴定。水电总院承担了全国90%以上大中型水电工程的安全鉴定工作。

Safety appraisal is to check whether a project has any issues that affect project safety and provide finalized opinions based on relevant laws, regulations, design results, approval opinions, and contract documents. It is of great significance for ensuring the acceptance, safe operation, and effective prevention of construction risks of the project. Safety appraisal can be divided into special safety appraisal, water storage safety appraisal, and completion safety appraisal. CREEI has undertaken the safety appraisal for over 90% of large and medium-sized hydropower projects in China.



300m级特高拱坝关键技术，目前世界最高
Key technology of 300m-level super high arch dam, currently the highest in the world
锦屏一级水电站：混凝土双曲拱坝
Jinping Cascade I Hydropower Station: concrete double-curvature arch dam

装机容量
Installed capacity
360 万kW

最大坝高
Maximum dam height
305 m

工程验收

Project Acceptance

水电工程在截流、蓄水、机组启动前以及工程完工后必须进行验收。受国家及省级能源主管部门的委托，水电总院作为验收主持单位先后承担了白鹤滩、两河口、龙滩、水布垭、溧阳、洪屏等全国绝大多数大中型水电工程（含抽水蓄能电站）的阶段验收、专项验收和竣工验收工作，有效支撑水电工程及时排除工程重大安全隐患、管控外部性风险、强化水电工程质量和安全管理、保证蓄水及运行安全。主持承担风电、太阳能发电、光热等重点工程项目验收。

Hydropower projects must undergo acceptance inspection before interception, water storage, unit startup, and after completion. Entrusted by national and provincial energy authorities, CREEI, as the acceptance organizer, has successively undertaken the phase acceptance, special acceptance and final acceptance of most of the large and medium-sized hydropower projects (including pumped storage power stations) in China, including Baihetan, Lianghekou, Longtan, Shuibuya, Liyang and Hongping hydropower stations, effectively supporting hydropower projects in timely eliminating major safety hazards, controlling external risks, strengthening the quality and safety management of hydropower projects, and ensuring the safety of water storage and operation. It also has presided over the acceptance of key engineering projects such as wind power, solar power, and photothermal power projects.



中电建共和熔盐塔式5万千瓦光热项目

Gonghe MS Tower Type 50MW Photothermal Power Project of PowerChina

储热时长
Duration of heat storage

6 h

镜场反射面积
Reflective area of mirror field

60 万m²

设计年利用小时数为
The designed annual equivalent full load hours are

3194 h



世界规模最大的抽水蓄能电站 为北京冬奥会供应绿色电力

The world's largest pumped storage power station, supplying green power for the 2020 Beijing Winter Olympics

丰宁抽水蓄能电站：装机容量360万kW，世界第一；储能能力世界第一

Fengning Pumped Storage Power Station: the largest installed capacity (3.6 GW) and the largest energy storage capacity in the world

装机容量
Installed capacity

360 万kW

质量监督

Quality Supervision

可再生能源发电工程质量监督站负责国家审批、核准的水电工程质量监督工作，兜底负责绝大多数省区审批、核准的水电、风电、光伏发电、储能电站工程质监工作，并承担生物质、太阳能热等发电工程质监工作。

近年来，先后完成白鹤滩、乌东德、丰满重建、丰宁抽蓄等国家重点工程和全国大部分地区新建风电、光伏发电以及储能工程的质量监督，为国家可再生能源高质量发展提供了有力支撑。

The Quality Supervision Station for Renewable Energy Power Projects is responsible for the quality supervision of hydropower projects approved by the national government. It has undertaken the quality supervision of the approved hydropower, wind power, photovoltaic power, and energy storage power station projects in most provinces and regions, as well as the quality supervision of biomass, solar power and other power projects.

In recent years, the Quality Supervision Station for Renewable Energy Power Projects has successively completed the quality supervision for national key projects, such as Baihetan Hydropower Station, Wudongde Hydropower Station, Fengman Hydropower Station Reconstruction, and Fengning Pumped Storage Power Station, as well as the quality supervision of national newly-built wind power, photovoltaic power, and energy storage projects, providing strong support for the high-quality development of renewable energy in China.



泗洪光伏领跑者基地两期总装机规模1GW，年发电量可达13亿千瓦时，采用农(渔)光互补模式
The total installed capacity of the two phases of Sihong PV Frontrunner Base is 1 GW, with an annual power generation of 1.3 TWh. This project employs agricultural (fishery)- solar complementary mode.



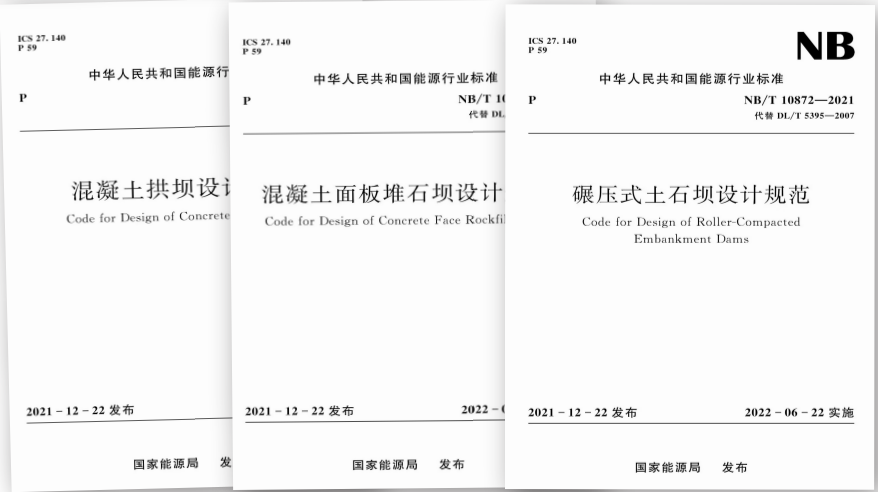
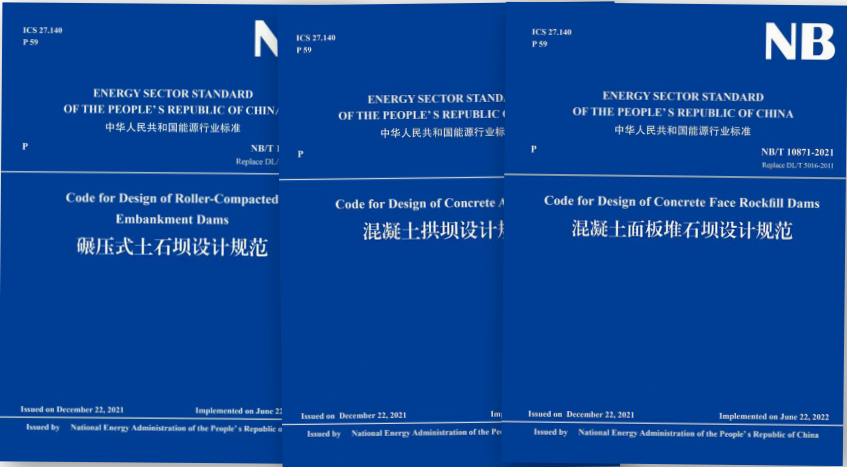
双江口水电工程大坝填筑现场质量监督
Site quality supervision of dam filling of Shuangjiangkou Hydropower Project

技术标准

Technological Standards

作为能源领域行业标准化管理机构之一，水电总院主要负责水电、风电、太阳能、生物质能等新能源及可再生能源领域相关标准化管理工作，包括行业技术标准体系研究、标准化技术委员会管理、标准制修订和外文版翻译等。截至2022年底，水电总院共管理和编制国家标准、行业标准、团体标准900余项。

As one of the industry standardization management bodies in the energy sector, CREEI is mainly responsible for the management of standards related to new and renewable energy such as hydropower, wind power, solar energy and biomass energy, including research of industry technical standard system, management of standardisation technical committees, standard drafting and revision, and translation of foreign language versions. As of the end of 2022, CREEI has managed and compiled over 900 national, industrial, and group standards.



2021年三大坝型设计标准中英文版同时发布
CREEI released the Chinese and English versions of design standards for three dam types simultaneously in 2021

信息技术服务

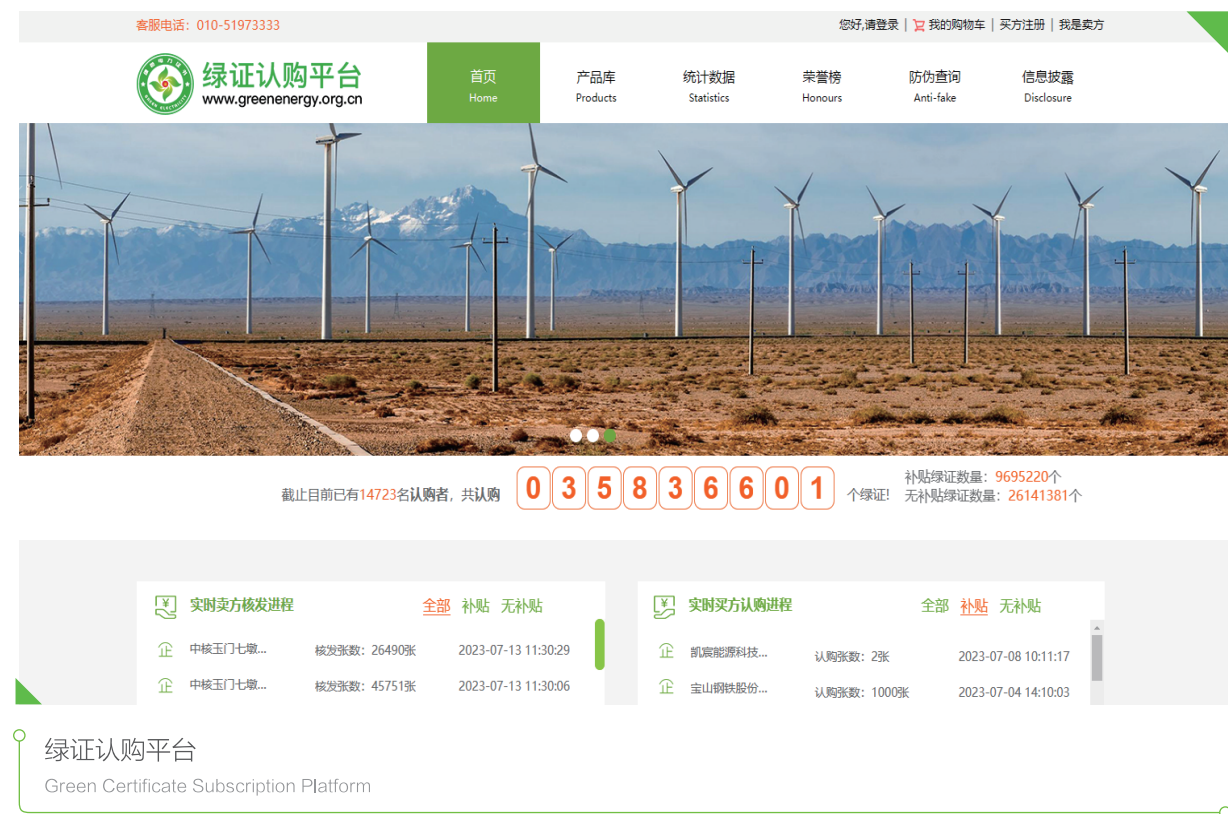
Information Technology Service

水电总院承担国家级可再生能源行业信息平台建设和日常管理工作，主要包括国家可再生能源发电项目信息管理平台、绿证认购平台、流域水电综合监测平台、光伏发电领跑基地监测平台等。依托相关平台，水电总院为政府有关部门加强行业管理和做好政策制定提供信息数据和技术支撑服务，主要包括可再生能源电价附加补助清单（目录）管理、可再生能源建档立卡、可再生能源电力开发建设月度监测评估、新能源项目竞价排序、绿证核发交易等，并持续做好数据采集工作，按照相关要求做好行业信息分享和专题研究服务工作。

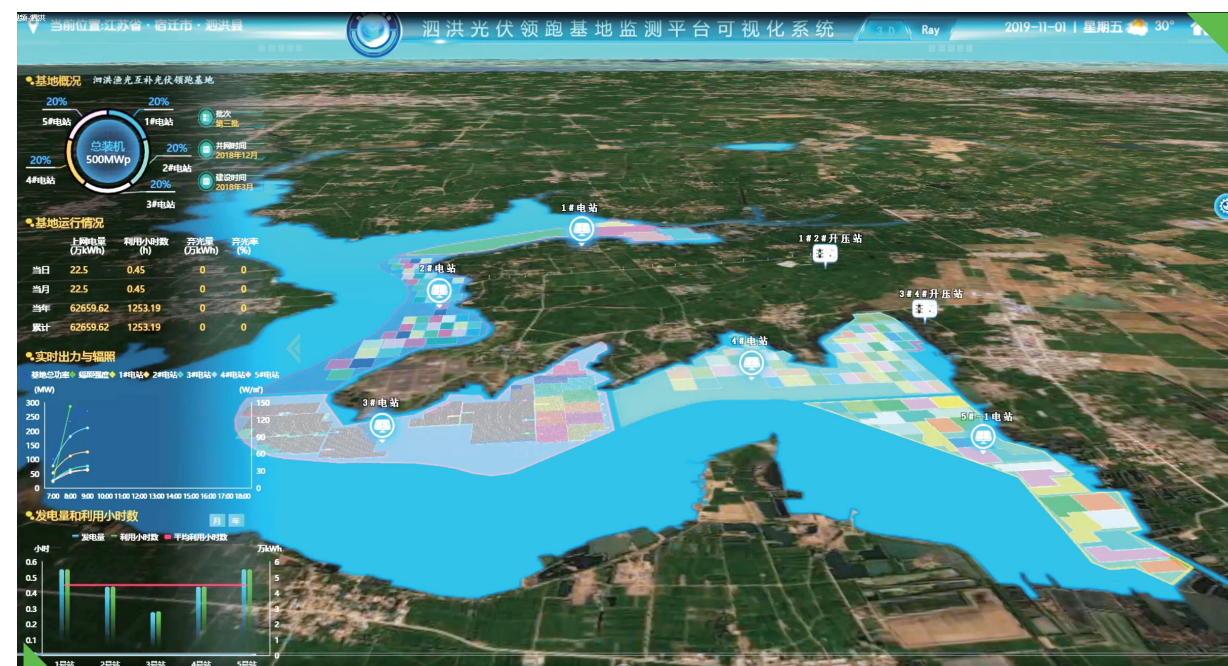
CREEI undertakes the construction and daily management of national renewable energy industry information platforms, mainly including the Information Management Platform for National Renewable Energy Power Projects, Green Certificate Subscription Platform, Comprehensive Monitoring Platform for Hydropower Stations in River Basins, and PV Frontrunner Base Monitoring Platform. Based on the above-said platforms, CREEI provides information, data, and technological support services for relevant government departments to strengthen industry management and policy formulation, mainly including the management of the list (directory) of additional subsidies for renewable energy electricity prices, the registration of renewable energy projects, the monthly monitoring and evaluation of renewable energy power development and construction, the bid ranking of new energy projects, and the green certificate issuance and trading. Moreover, it continues to carry out data collection, and provides industry information sharing and specialized research services in accordance with relevant requirements.



国家可再生能源发电项目信息管理平台
Information Management Platform for National Renewable Energy Power Projects



绿证认购平台
Green Certificate Subscription Platform



光伏领跑基地监测平台
PV Frontrunner Base Monitoring Platform

国际业务

International Business

水电总院致力为国际能源合作和能源治理做好信息和技术支撑，服务政府、服务企业、建设国际一流智库。受托负责中国-东盟、中国-非盟、中国-阿盟、金砖国家、G20和APEC等多边机制，以及中国-缅甸、中国-巴基斯坦、中国-尼泊尔、中国-英国等双边机制下的能源合作。受国家能源局委托运行中国-国际可再生能源署合作办公室、牵头开展中国-非盟能源伙伴关系、建设运行国际能源电力信息平台等。持续举办东亚峰会清洁能源论坛，逐步形成了参与国家多、代表级别高、影响范围广的良好局面。持续开展中国-阿盟、中国-非盟、中国-东盟等清洁能源能力建设活动。编制完成了《全球能源观察》《金砖国家能源报告》等一系列智库成果。

CREEI is committed to providing information and technological support for international energy cooperation and energy governance, serving the government and enterprises, and building an international first-class think tank. CREEI is entrusted to facilitate energy cooperation under multilateral mechanisms such as China-ASEAN, China-AU, China-LAS, BRICS, G20 and APEC, as well as under bilateral mechanisms such as China-Myanmar, China-Pakistan, China-Nepal and China-UK. Entrusted by NEA, CREEI operates the Office for China-IRENA Cooperation, leads the development of China-AU energy partnership, and develops and operates the International Energy and Electricity Information Platform. It has continuously held the East Asia Summit Clean Energy Forum, carried out China-LAS, China-AU, and China-ASEAN clean energy capacity building activities, and completed a series of think tank outcomes such as the Global Energy Watch and the BRICS Energy Report.



2018年国家能源局委托水电总院建设国际能源电力信息平台，开展国际能源电力信息的收集、统计和分析工作，长期、及时、高效地向国家能源局提供技术信息支持。

Entrusted by the National Energy Administration in 2018, CREEI has built the International Energy and Electricity Information Platform for collecting, counting and analyzing international energy and electricity information, and providing technological information support to the National Energy Administration in a long-term, timely, and efficient manner.



厄瓜多尔辛克雷水电站
Coca Codo Sinclair Hydropower Station in Ecuador



中国-国际可再生能源署合作办公室
Office for China-IRENA Cooperation



东亚峰会清洁能源论坛
East Asia Summit Clean Energy Forum

PLATFORM AND ORGANIZATION

平台机构



► 技术平台
Technological Platform

► 国际合作平台
International Cooperation Platform

技术平台

Technological Support

受国家能源局、应急管理部委托，水电总院建设管理国家可再生能源信息管理中心、国家防汛抗旱技术研究中心、国家能源水电工程技术研发中心、可再生能源发电工程质量监督站、可再生能源定额站、可再生能源标准化管理中心、流域水电综合监测中心等行业平台，在国家可再生能源行业信息管理、国家防汛抗旱工作、水电工程安全发展、可再生能源工程质量监督、可再生能源行业定额标准管理、可再生能源及新能源领域相关标准化管理、流域水电综合监测等方面积极开展工作，支撑国家重点工程开发建设，助力绿色能源开发，推进行业持续健康发展，为实现碳达峰、碳中和目标，规划建设新型能源体系贡献总院力量。

Entrusted by the National Energy Administration and Ministry of Emergency Management, CREEI is responsible for building and managing industrial platforms, such as the National Renewable Energy Information Management Center, the National Center for Flood Control and Drought Relief Technology Research, the National Energy and Hydropower Engineering Technology Research Center, the Quality Supervision Station for Renewable Energy Power Projects, the Renewable Energy Quota Station, the Renewable Energy Standardization Management Center, and the Comprehensive Monitoring Center for Hydropower Stations in River Basins. CREEI has been actively working on the information management of the national renewable energy industry, the national flood control and drought relief, the safe development of hydropower projects, the quality supervision of renewable energy projects, the management of renewable energy industry quota standards, the management of renewable energy and new energy related standardisation, and the comprehensive monitoring of hydropower projects in river basins, etc. Our aim is to support the development and construction of key projects in the country, to boost the development of green energy, to promote the sustained and healthy development of the industry, and to contribute to the achievement of the goals of carbon peaking and carbon neutrality, and the planning of the construction of a new energy system.



受国家能源局委托，水电总院承担中国-国际可再生能源署合作办公室、中国-非盟能源合作平台、中国-东盟清洁能源合作等相关合作平台及机制建设，服务国家清洁能源国际合作大局，促进中外相关单位的交流活动、联合研究、人员交往，推进开发规划和项目落地的务实合作，推动先进技术、管理经验等引进来，为全球气候治理及可持续发展贡献中国智慧和方案。

Entrusted by NEA, CREEI undertakes the construction of relevant cooperation platforms and mechanisms such as the Office for China-IRENA Cooperation, the China-AU Energy Cooperation Platform, and the China-ASEAN Clean Energy Cooperation Platform, facilitates international cooperation in clean energy, promotes exchanges, joint research, and personnel exchanges between Chinese and foreign units, pushes forward practical cooperation in development planning and project implementation, introduces advanced technologies and management experiences, and contributes Chinese wisdom and solutions to global climate governance and sustainable development.



BUSINESS CULTURE

企业文化



- | | | | |
|---------------------------|---------------------------|------------------------|-----------------------------|
| ► 愿景
Vision | ► 使命
Mission | ► 核心价值观
Core Values | ► 企业精神
Enterprise spirit |
| ► 服务理念
Service Concept | ► 质量理念
Quality Concept | ► 品牌口号
Slogan | |

愿景 Vision

➤ 能源行业国际一流智库和咨询公司

Leading International Think Tank and Consultancy for the Energy Sector

使命 Mission

➤ 服务绿色能源 推动行业发展

Service Green Energy, Promote Industry Development

核心价值观 Core Values

➤ 服务 引领 责任 价值

Service, Leadership, Responsibility, Value

企业精神 Enterprise Spirit

➤ 善利万物 自信自强 顺势勇为

Explore All Possibilities, Retain Self-improvement, and Make Every Effort

服务理念 Service Concept

➤ 站位高 反应快 作风硬 服务优

High Positioning, Quick Response, Rigid Integrity, Excellent Service

质量理念 Quality Concept

➤ 科学 严谨 敢言 慎断

Science, Rigor, Courage, Prudence.

品牌口号 Slogan

➤ 奉献绿色能源 追梦永续家园

Developing Green Energy for Sustainable Homeland

