中国电建集团贵阳勘测设计研究院有限公司（简称贵阳院）成立于 1958年，隶属于世界500强--中国电力建设集团有限公司，连续多年获得“中国工程设计企业60强”，是省内唯一一家持有工程勘察、设计、咨询3项综合甲级资质的企业。

Established in 1958, POWERCHINA Guiyang Engineering Corporation Limited (POWERCHINA GUIYANG) is an essential member of Power Construction Corporation of China (POWERCHINA), a Fortune Global 500 company. As one of the Top 60 China Engineering Design Enterprises for many consecutive years, it is the only company in Guizhou province that holds comprehensive Grade A certificates in engineering investigation, design and consultation.

贵阳院2006年正式启动数字技术研究，2012年全面推广应用，经过多年潜心研究，研发了“贵勘数字”工程全生命周期数字化应用平台，主要内容包括工程数字化设计、数字化施工管理、数字化产品交付及运维管理，以数字化模型为基础，纵向覆盖工程全生命周期、横向包括工程建设各参与方（建设、设计、施工、监理等）的数据和流程，形成一个数据共享、应用协同的工程建设管理数字化平台。目前已累计应用百余个大中型工程，项目类型涵盖水电水利、建筑、市政、交通、新能源、水环境治理等工程，数字技术应用进入常态化、规模化阶段。

POWERCHINA GUIYANG officially launched digital technology research in 2006 and popularized it in 2012. After years of painstaking research, the company developed Guikan Digital, an engineering lifecycle management platform that provides digital engineering design, construction, delivery, operation and maintenance management services. Based on the digital models, the platform covers the entire lifecycle of the projects lengthways. On the other hand, it contains the data and process of all parties involved (construction, design, supervision, etc.) to form a digitalized engineering management platform with data sharing and application collaboration. At present, there are more than 100 engineering applications covering hydropower, water conservancy, municipal buildings, transportation, new energy and water environmental governance. As a result, the application of digital technology has entered a normalization and large-scale stage.

近年来获软件著作权50余项、发明专利5项、实用新型10余项、注册商标8项，获数字化、信息化各类省部级奖项20余项，承担省、集团多项科技研究项目。2016年注册“贵勘数字®”技术品牌；2017年当选“贵州省建筑业信息化发展促进会”会长单位；2018年签约湖北鄂州花湖机场工程BIM咨询顾问服务项目，该工程是全球第四、亚洲第一的航空物流枢纽，是标准最高、专业最全的全过程数字化建造项目之一； 2019年获贵州省科技厅批准成立“贵州省建筑信息模型（BIM）工程技术研究中心”；2020年入选“贵州省大数据百企引领优秀应用解决方案”和“国资委国有企业数字化转型优秀案例”。

The company has successively obtained over fifty software copyrights, five patents for invention, ten patents for new utility design and eight registered trademarks in recent years. With numerous technological research projects on-site, it also received more than twenty provincial and ministerial awards for digitalization and informatization technology. POWERCHINA GUIYANG registered the Guikan Digital® technology trademark in 2016 and was elected as the presidential unit of the Guizhou Association for Promoting Information of Construction Industry (GAPICI). In 2018, the company was engaged in the BIM consulting service project of Hubei Ezhou Civil Airport. The airport will be the fourth largest aviation logistics hub in the world and the largest in Asia. Meanwhile, the project itself is considered one of the full-process digital constructions with the highest standards and the most comprehensive expertise. Moreover, in 2019, the company was approved by the Guizhou Provincial Department of Science and Technology Agency to establish the BIM technology research centre. It was also awarded the Splendid Application Solution for the Top 100 Big Data Leading Enterprises in Guizhou Province and the Outstanding Case for Digital Transition of the SASAC State-owned Enterprise in 2020.