



China Energy Ningxia Coal Industry Group Improves Efficiency and Reduces Cost with RPA



Company overview

China Energy Ningxia Coal Industry Group Co., Ltd. (China Energy Ningxia Coal Industry Group) was established on 18 January 2006. It is a state-owned energy enterprise jointly invested and operated by CHN Energy and The People's Government of Ningxia Hui Autonomous Region, specialising in coal and coal-to-oil chemical industry. Its business scope covers deep processing and comprehensive utilisation of coal, mechanical manufacturing and maintenance, energy engineering construction, etc.

Challenges

As a leading coal producer in Ningxia Autonomous Region of China, China Energy Ningxia Coal Industry Group proactively responds to national policies and strives to achieve the goal of carbon dioxide peaking and carbon neutrality. The Group has been formulating a new work methodology that is adaptable to the company goals. However, with the fast expansion of the energy sector, the workload of all business units has expanded dramatically, posing a new challenge to business efficiency as large efforts, including time and labour, are required to manage people, assets, and resources. The finance department of China Energy Ningxia Coal Industry Group advocated using Robotic Process Automation (RPA) to automate business operations for accelerating the company's digitalisation.

Challenges

- Rapid business growth led to heavy workloads
- Considerable time and manual efforts are required for data verification, lowering productivity

Solutions

- Robotic Process Automation (RPA) for financial operations

Value created

- Increase financial reporting efficiency by 30% and reduce month-end processing time by 4 hours
- Shorten importing and exporting bank data from 3 hours to 10 minutes
- Reduce material receipt note generation from 4 hours to 15 minutes, enhance efficiency by 93% and data accuracy by 95%

Solutions

After a thorough analysis to the requirements and in-depth market research, the finance department of China Energy Ningxia Coal Industry Group has decided to partner with PCCW Solutions to implement the Alibaba Cloud RPA solutions. As a long-term partner of China Energy Ningxia Coal Industry Group, PCCW Solutions is committed to driving the digital transformation for the finance department of the Group. Its professional knowledge in the financial field and high-quality services are well received by the client, assisting the group to optimise financial processes, improve office efficiency and reduce users' workload through RPA.

Financial Statements Reporting

Every month, over 50 subsidiaries of the China Energy Ningxia Coal Industry Group must generate financial statements, with each company requiring more than 100 statements. Simultaneously, the Group's data is stored and processed across two primary systems, with up to 50+ operations per system. The operating personnel required is substantial, and long-running systems are prone to exceptions.

RPA allows users to automatically produce monthly financial statements. On the monthly closing day, the system will log in, download, and combine all databases based on pre-defined rules to produce various types of financial reports and deliver them through SMS to finance managers. This approach significantly enhances job efficiency with no manpower involved.

Bank Reconciliation and Data Importing

Every month, the finance department of China Energy Ningxia Coal Industry Group had to manually pull information from over 10 bank statements in various forms and transform it into a specified template for entry into the system. This procedure has a high time and labour expense.

After adopting RPA, the full cycle of bank reconciliation and importing is completed automatically including banking system log-in, synchronising bank information and auditing. The system will send the report to the person-in-charge via SMS for final checking, freeing staff from tedious tasks, easing their burdens and offering more opportunities in value creation.

Material Receipt Notes Processing

More than 30 subsidiary companies of China Energy Ningxia Coal Industry Group are using the lean production system for managing the materials for all units and departments. However, due to the differences in business standards and information gaps between departments, they had to spend a lot of time and effort in coordination and communication.

RPA aids in the automation of the processes of creating material receipt notes, gaining access to the lean production system, collecting monthly reports, categorising, summarising, and importing codes, and giving processing results to designated employees for manual validation.

Value Created

PCCW Solutions efficiently enables the digital transformation of China Energy Ningxia Coal Industry Group's financial operations using the Alibaba Cloud RPA solution. With RPA generating financial statements automatically, employees can fully use robots and plan their time more effectively. The total efficiency for preparing monthly financial statements has grown by 30%, while the time for closing month-end balance has been reduced by 4 hours, indicating a considerable improvement in the company's overall financial operations.

RPA is also used to extract, integrate, and input bank data. Processing time is reduced from 3 hours to 10 minutes, and processing efficiency is raised by 29%. Employees may use RPA to generate material receipt notes for over 30 subsidiary firms, reducing processing time from 4 hours to 15 minutes. Furthermore, the efficiency and data accuracy have increased by 93% and 95%, respectively. All of these benefits have enhanced the consistency of business and finance while lowering audit and business risks.

About PCCW Solutions

PCCW Solutions is a leading IT services company in Hong Kong, mainland China and Southeast Asia. We adopt the latest technology to help clients create business value and succeed in the ever-changing economic environment. We offer a wide range of services including digital solutions, IT and business process outsourcing, cloud computing, system development and solutions integration, managed services and IoT solutions. PCCW Solutions is committed to meeting customer needs to help them achieve business goals and transform digitally.

