信息科技建设
Building IT Framework

2019年，进出口银行全面推动金融科技提升发展，大力开展IT建设，深化完善科技治理工作，着力提高治理成效与运营支持水平，巩固筑牢网络安全防线，保障生产系统稳定运行，支持和服务业务发展。

为适应金融科技发展的新形势和新要求，建立以客户为中心、以企业级架构为核心、业务和IT协调发展的新思路，本行按照"学习借鉴、以我为主，科学设计、量身打造，联合开发、自主可控"的原则，打响了IT蓝图系统建设攻坚战。通过从顶层设计入手，以标准化、结构化、组件化方式方法，形成产品、流程、数据、用户体验四维一体的业务模型，为本行充分发挥自身职能作用注入强大科技动力。

深化完善科技治理。构建应用系统全生命周期管理体系，建设应用系统开发配置管理体系，建立开发测试质量管理体系，推进软件开发工程实施及产品质量交付水平稳步提升；深化数据治理体系建设，抓好数据架构规划落实，优化数据管理平台，提升数据质量治理成效。

加强科技运营支持。完成全年应用系统升级改造任务，为本行系统异常行为监控等事项提供快速有力的技术支撑；建设小微企业金融服务平台，实现从需求到系统架构设计的自主可控创新实践，完成基于多源大数据及数据驱动新架构的小微金服系统，形成线上化、自动化、智能化的小微企业金融服务平台；优化应用故障、变更、投产流程，定期分析生产事件，故障处置效率及自动化运维水平稳步提升，实现批量任务集中管控。

全面推进数据中心建设。秉承"绿色高效，安全可控"原则，建设本行自有新数据中心，满足IT系统建设对数据中心资源的需要，规划实现绿色"两地三中心"总体架构和高效IT设施技术架构，建立安全智能统一运维体系。

巩固筑牢网络安全。加强网络安全队伍建设，稳步提升网络安全等级保护水平；做好网络安全工作的统筹规划，强化网络安全设施设备防护能力；精心部署网络安全风险防控，有序推进信息系统漏洞、互联网资产暴露面核查等网络安全风险排查与整改，不断夯实信息安全体系。

In 2019, the Bank forged ahead with the upgrading of Fintech and the building of IT framework. In an effort to give stronger support to its business operation, the Bank further improved the application and management of technology, enhanced the performance of IT, intensified network security and ensured the smooth operation of its business system.

Adapting to the new trend of Fintech, the Bank acted on the philosophy of putting customer first, taking enterprise architecture as the core, and pursuing coordinated development of business and IT. It took the initiative to learn from and cooperate with others to form its own IT blueprint, which is well designed, tailor-made, independent and controllable. Starting from the institutional framework, a business model integrating products, process, data and user experience was formed via standardized, structured and modular means. That had injected strong impetus to the Bank in its effort to better perform its function.

The Bank enhanced its technology governance by putting in place a full life-cycle management system and an application configuration system, as well as a quality management system for development and testing. Software development was advanced, and the quality of products delivered was steadily improved. Great efforts were also made to promote the data governance system by implementing the data architecture plan, optimizing the data management platform and enhancing the quality of data management.

The technology support to the Bank's business operation was strengthened. The Bank upgraded its application system and made sure that quick and strong technology support can be provided to monitor abnormal behaviors and other problems.

A financial service platform was built for small and micro businesses. Independent and controllable innovative practices were carried out throughout the process from user demand gathering to system architecture design, in an effort to build a financial service system based on multi-source big data and the new data-driven architecture and form an online, automatic and smart financial service platform for small and micro businesses.

The Bank optimized the fault-handling, modification and application procedures and made analysis on production incidents on a regular basis, thus enabling itself to handle faults in a more effective way and achieve better automatic operation and maintenance of business. The centralized management of batch tasks was also realized.

Fresh headway was made in building data centers. The Bank endeavored to make its new data centers green, efficient, safe and controllable, so as to meet the IT system's needs for data. The Bank made an overall green architecture with three data centers deployed in two cities and a highly efficient IT architecture, and it aims to set up a safe, smart and unified operation and maintenance mechanism.

The Bank consolidated network security by team building, classified protection, overall planning and the protection of facilities and equipment. Efforts were made to forestall network security risks such as screening and rectification of system bugs and exposure of Internet assets. As a result, the information security system was further improved.