



# +AI:

## Technology Empowerment

### (+AI)技術賦能

To fully embrace the global digitalization era, CITIC Telecom CPC has crafted a visionary blueprint for the future, ICT-MiiND. This framework seamlessly integrates an "innovative" tech stack, algorithm and big data into the ICT service platform, spanning across Cloud-Network-Security, bolstering the element of "intelligence" through cutting-edge AI technology and AIOps modules.

Innovation Never Stops. Our seasoned data science and analytics professionals leverage emerging technologies like AI, AR, Blockchain, and IoT to spearhead diverse intelligent solutions (+AI). Building on this foundation, we apply advanced intelligent data analytics to reshape digital operations across various industries (AI+), accelerating the shift from technology empowerment to data empowerment.

中信國際電訊CPC利用前瞻性創新發展策略「ICT-MiiND」，積極擁抱全球數字化時代。將創新技術、算力算法和大數據等元素，全棧無縫融合到ICT服務平台，並通過領先的AI技術和AIOps模塊持續強化「智能」板塊，智賦雲網安。

創新·不斷。我們經驗豐富的數據科學和專業分析團隊，利用AI、AR、區塊鏈和物聯網等前沿技術，提煉出多元智能解決方案(+AI)，再運用尖端智能數據分析能力，以數據重塑企業數智化營運旅程(AI+)，實現從技術賦能到數據賦能的躍進。



### Emerging Technologies 創新技術

# AI+:

## Data Empowerment

### (AI+)數據賦能

In today's data-driven business environment, AI is rapidly evolving from a technology-empowered (+AI) model to a revolutionary data-empowered (AI+) model. This shift goes beyond simply incorporating AI technologies, it represents a fundamental change in how organizations leverage data for deeper insights and informed decision-making.

At the forefront of the AI+ revolution, CITIC Telecom CPC's data science and analytics team leverages decades of ICT and industry expertise to develop a suite of award-winning AI+ solutions, deepening AI integration across diverse sectors. Powered by innovative algorithms, big data platforms, and intelligent analytics, we drive intelligent projects from "large model development" to "industry-specific deployments," empowering businesses across industries to reshape decision-making, foster innovative ecosystems, and unlock new possibilities.

在當今數據驅動的商業環境中，人工智能正迅速地超越傳統技術賦能(+AI)，邁向革新的數據賦能(AI+)模式，透過整合大數據和市場分析能力，為企業提供更深入的洞察和預測能力。

站在AI+技術的發展前沿，中信國際電訊CPC的數據科學和分析團隊，憑藉數十年ICT經驗和行業專業知識，開發出一系列屢獲殊榮的AI+解決方案，積極投入提升AI與各行業深度融合。以創新算法、大數據平台和智能分析為基礎，推進智能化項目聚焦從「大模型建設」到「小場景落地」能力，運用人工智能和數據分析重塑企業決策流程，開拓創新商業生態，賦能千行百業。



### Industrial Ecosystems 千行百業

# From Technology Empowerment to Data Empowerment 從技術賦能到數據賦能

AI-Powered Algorithms, Data-Driven Insights • Industry-Specific Innovation  
智能算法, 數據洞察 • 產業創新應用

## Collection and Integration with AI & ML Models

**Empowered by Technology** and leveraging 20+ years of expertise, we specialize in collecting and integrating high-quality training data. **By empowering data evolution**, we ensure the gathered diverse data types (voice, video, image, etc.) are both rich and representative, supporting complex AI projects with unique scenarios.

## Modernizing Data Storage in the AI Era

**Counting on Technology**, our AI-powered datahouse offers efficient and scalable data storage, supporting a variety of AI applications and diverse data sources. **Through driving data**, the datahouse facilitates fast, compliant, and precise data analysis for intelligent decision-making.

## Comprehensive Data Governance

**Benefiting from technology**, we go beyond traditional data governance, implementing a robust framework to manage data collection, storage, and analysis, mitigating risks like data breaches and accountability in AI operations. **Leveraging data**, we prioritize AI model transparency and fairness, maintaining high governance standards throughout the data lifecycle.

## AI-Enabled Data Mining

**Harnessing technology**, we utilize multiple patented machine learning techniques, including large language models (LLMs) and natural language processing (NLP), to develop unique algorithms and statistical models. **Empowered by data**, these models uncover hidden patterns, trends, and insights.

## Intelligence Analysis (Predictive Modeling)

**Tapping into technology**, we combine patented algorithms and award-winning AI development capabilities to enable rapid deployment of industry-specific large model applications. **Empowered by data**, we deliver customized solutions that meet the unique data intelligence needs of diverse industries.

## 人工智能 (AI) 及 機器學習 (ML) 賦能數據採集與融合

**憑藉技術賦能**,我們利用20多年的專業經驗來採用最先進的工具和方法收集與整合高品質訓練數據。**通過演變數據賦能**,我們確保所收集的多元化數據(例如語音、視頻和圖像等)既豐富又具有代表性,從而支援各種獨特場景和需求的複雜人工智能項目。

## 現代化數據儲存迎合智能時代

**依靠技術賦能**,我們構建了由人工智能驅動的客製化數據倉庫,提供高效可擴展的數據儲存,有效支援多種人工智能應用和多元數據源。**以數據賦能**,該數據倉庫能夠實現快速、合規且精準的數據分析,從而支援智能決策。

## 完善數據治理

**得益於技術賦能**,我們超越傳統數據治理,實施強大的治理框架來管理數據採集、儲存和分析,降低數據洩露的風險,並確保人工智能營運的責任。**利用數據賦能**,我們重視人工智能模型的透明度和公平性,在數據生命週期中維護高標準治理原則。

## 智能數據挖掘

**依仗技術賦能**,我們運用多項專利機器學習技術,包括大型語言模型 (LLMs) 和自然語言處理 (NLP),開發出獨特的算法和統計模型,並**結合數據賦能**,挖掘出數據中隱藏的模式、趨勢和信息。

## 智能分析 (預測模型)

**借助技術賦能**,我們結合專利算力算法和屢獲殊榮的人工智能開發能力,能夠快速部署針對特定行業的大模型應用場景。**再透過數據賦能**,提供定制化的解決方案,滿足千行百業獨特的數據智能需求。

# Award-Winning Innovative Solutions

## 屢獲殊榮的創新解決方案

### AI Penetration Test

#### AI滲透測試

Redefining Vulnerability Assessment with Automated AI Penetration Test  
革新自動AI滲透測試 | 更靈活、更安全、更智能

- ▶ AI-Driven techniques to bypass security devices  
AI驅動技術, 揭示安全防護弱點
- ▶ 24x7 automated operations  
24x7全自動化工作
- ▶ Effortless platform for routine task scheduling  
簡易平台輕鬆實現例行任務調度
- ▶ Lightweight internal vulnerability scanner  
輕量級內部漏洞掃描器



### AI Visual Security

#### AI可視化安全解決方案

“SEEING” Malware Quick and “CATCHING” Malware’s Family FAST  
迅速「看見」惡意軟件, 快速「攔截」惡意軟件家族

- ▶ “Facial Recognition” for malware  
惡意軟件的「人臉識別」系統
- ▶ Reinventing the “Seeing is Believing” security model  
重塑「眼見為實」的信息安全模式
- ▶ Featuring patented AI algorithm "System and Method for Detecting Malware"  
採用專利人工智能演算法「惡意軟件檢測系統及方法」
- ▶ 10-100x faster malware detection  
惡意軟體偵測速度提升 10-100 倍

> Global-Local Intelligent DICT Service Partner

### AI Databank

#### 智數庫

Powering Big Data with Fast, Accurate & Actionable Insights on a Single Platform  
大數據平台、智能化報告分析 | 更快、更準、更科學

- ▶ Integrated data from various business systems for management, reporting, and advanced analytics  
整合多個業務系統數據, 提供管理、即時報表生成和智能分析
- ▶ Conversational interaction and data retrieval powered by LLM and NLP technologies  
大型語言模型與自然語言處理技術驅動的對話式互動和數據檢索
- ▶ Data visualizations to support data-driven decision-making  
可生成各種可視化圖表, 支持數據驅動的決策

### AI Analytics

#### 智分析

Intelligent Analysis Platform for Diverse Scenarios  
大數據平台、小模型演算 | 多場景應用、智能化分析

- ▶ A comprehensive business knowledge base powered by deep learning, large language models, and patented AI algorithms  
結合深度學習、大型語言模型和多項專利人工智能演算法, 構建業務應用多模態知識庫
- ▶ Intelligent data analysis, alerts, and dynamic predictions through optimized computing resources and cross-dimensional training  
利用算力資源調配及跨維度循環訓練, 提供智能數據分析、預警和動態預測
- ▶ A ready-to-use algorithm platform for visualizing data analysis and insights  
一個真正「拎包入住」的算法平台, 輕鬆實現可視化的數據分析和洞察

服務在地 連接全球的數智通訊服務伙伴

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