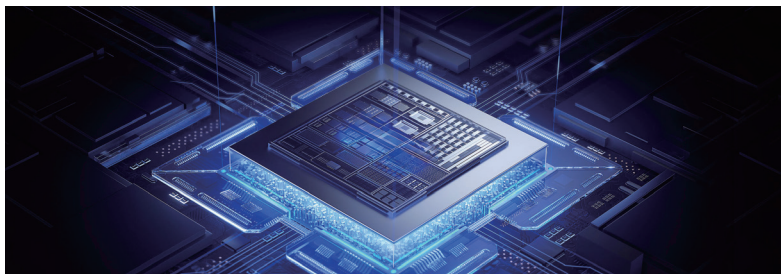


CTS以精準技術破解行業痛點,用卓越運營創造客戶價值
CTS addresses industry pain points with precise technology and creates customer value through outstanding operation

官網/website: www.ctsok.com
諮詢郵箱/E-mail: info@ctsok.com

核心技術優勢 / Core Technical Advantages



RFID芯片技术 / RFID Chip Technology

- 全球唯一ID標識,不可複製
Globally unique ID identifier, non-replicable
- 讀取距離3-10cm可調,防止鄰桌幹擾
The reading distance is adjustable from 3 to 10cm to prevent interference from adjacent tables
- 使用壽命>5年,可重複充值使用
The service life is over 5 years and it can be recharged and used repeatedly



極速響應機製 / Ultra-fast Response Mechanism

- 風險事件200ms內預警,比人工快400倍
Risk events are warned within 200ms, which is 400 times faster than manual intervention
- 系統決策鏈路:檢測→分析→判斷→響應,全程<1秒
The system decision-making chain: detection → analysis → judgment → response, with the entire process taking less than 1 second
- 本地緩存+邊緣計算,保證弱網環境下正常工作
Local caching and edge computing ensure normal operation in weak network environments



高並發架構 / High-concurrency Architecture

- 分佈式系統支持10萬TPS,相當於每秒處理300桌同時結算
The distributed system supports 100,000 TPS, which is equivalent to processing 300 tables for simultaneous settlement per second
- 自動彈性伸縮,根據交易量動態調整資源
Automatic elastic scaling, dynamically adjusting resources based on trading volume
- 流量削峰機制,平穩應對高峰期衝擊
The traffic peak shaving mechanism ensures smooth response to the impact during peak hours

客戶價值與量化收益 / Customer Value and Quantitative Benefits

量化收益矩陣: 量化收益,創造可持續價值
Quantitative return Matrix: Quantify returns to create sustainable value

價值計算模型 / Value Calculation Model

直接效益= (人工替代數×平均薪資)+(錯誤減少數×處理成本)

Direct benefits = (Number of labor substitutions × average salary) + (number of error reductions × processing costs)

間接效益= (客戶留存提升×客均價值)+(審計效率提升×人力成本)

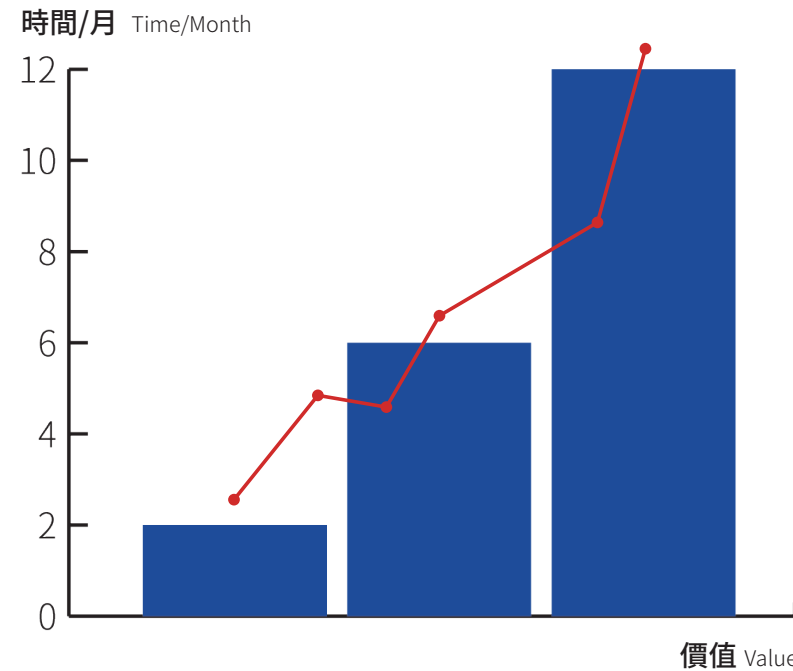
Indirect benefits = (Improvement in customer retention × average value per customer) + (Improvement in audit efficiency × labor costs)

戰略價值= 數據決策價值+品牌提升價值+合規規避風險

Strategic value = data decision-making value + brand enhancement value + compliance risk avoidance

價值類型 Value type	具體指標 Specific indicators	量化收益 Quantitative earnings	實現周期 Implementation cycle
直接收益 Direct income	結算效率 提升80% The settlement efficiency has increased by 80%	人力成本 降低35% Labor costs have been reduced by 35%	1-3月 1 to 3 months
	單桌結算 人力減少2人 The number of people for single-table settlement has been reduced by two	年節省 4.2萬美元/桌 Save US\$42,000 per table annually	1月 1 month
間接收益 Indirect income	客戶糾紛 減少90% Customer disputes have decreased by 90%	每起糾紛成本 節省1.2萬美元 The cost of each dispute has saved by 12,000 US dollars	2-3月 2 to 3 months
	合規審計時間 縮短70% The compliance audit time has been shortened by 70%	審計人力 減少2人 Reduce 2 audit staff members	1月 1 month
戰略價值 Strategic value	營銷ROI 提升25% The marketing ROI has increased by 25%	每百萬營銷投入 多產出25萬 For every million in marketing investment, an additional 250,000 is output	3-6月 3 to 6 months
	玩家活躍度 提升18% Player activity has increased by 18%	人均消費 增加\$32/次 Per capita consumption increased by US\$32 per time	3-6月 3 to 6 months

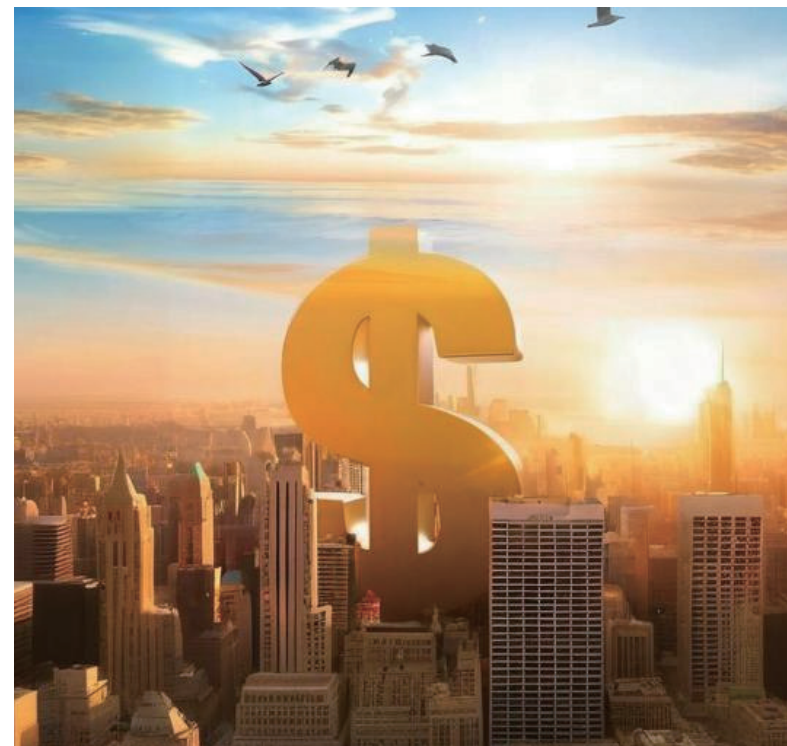
長期價值釋放曲線 / Long-term Value Release Curve



初始投入期 (1-2月): 系統部署與人員培訓, 效益初步顯現
Initial investment period (1-2 Months): System deployment and personnel training, with initial benefits emerging

快速收益期 (3-6月): 效率提升效果顯著, 直接成本下降
Rapid return period (3-6 Months): The effect of efficiency improvement is significant, and direct costs decrease

穩定增長期 (7-12月): 數據價值釋放, 間接收益和戰略價值凸顯
Stable growth period (7-12 Months): Data value is released, and indirect benefits and strategic value become prominent



全球合規與認證 / Global Compliance and Certification

標準化適配 / Standardized Adaptation

- 符合ISO27001等國際合規標準
Support international compliance standards such as ISO27001
- 動態適配歐盟、東南亞、新加坡、澳門等地監管要求
Dynamically adapt to regulatory requirements in the European Union, Southeast Asia, Singapore, Macao and other regions
- 審計日志自動生成, 滿足7×24小時監管介入
Audit logs are automatically generated to meet the requirements of 7×24-hour regulatory intervention



CTS AI 超級管理系統

CTS AI HYPER-MANAGEMENT SYSTEM

驅動未來 · 引領變革

WWW.CTSOK.COM

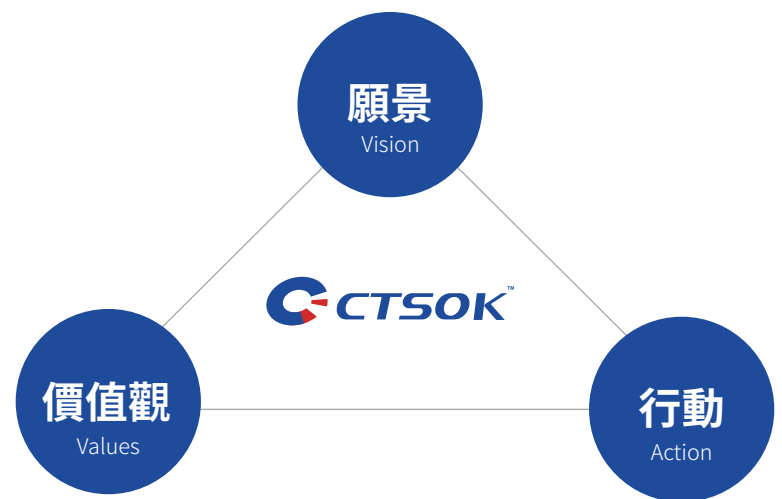
品牌簡介 / Brand Introduction

CTS以"夢想、誠信、務實"為基石，踐行"科技賦能，穩健前行"的品牌承諾，通過智能芯片管理系統，為娛樂場行業提供端到端數字化解決方案，推動運營效率與安全管控的雙重升級。

CTS, with "dream, integrity and pragmatism" as its foundation, fulfills its brand commitment of "Technology empowerment and steady progress". Through its intelligent chip management system, it provides end-to-end digital solutions for the entertainment industry, promoting dual upgrades in operational efficiency and safety control.



品牌價值三角 / Brand Value Triangle



願景 VISION 成為全球娛樂場數字化轉型標桿
Become a global benchmark for digital transformation in the casino

價值觀 VALUES 夢想驅動創新，誠信鑄就品質，務實贏得信賴
Dreams drive innovation, integrity builds quality, and pragmatism earns trust

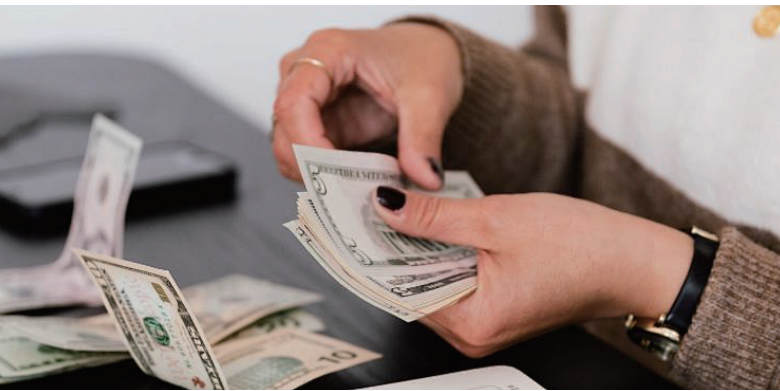
行動 ACTION 以RFID+AI技術構建智能運營體系
Build an intelligent operation system with RFID+AI technology

行業痛點 / Industry Pain Points

娛樂場運營的三大致命痛點
The three fatal pain points in the operation of casino



- 01 安全盲區: 資金風險如影隨形**
Safety blind spot: Financial risks are always present
- 賬實不符率高達12%，相當於流失近百萬美元收入
The mismatch rate between accounts and actual figures is as high as 12%, equivalent to a loss of nearly one million US dollars in revenue
 - 傳統人工核驗易出現"換牌""偷碼"等作弊行為，年損失約佔營收的3-5%
Traditional manual verification is prone to cheating behaviors such as "card swapping" and "chip theft", with annual losses accounting for approximately 3-5% of revenue
 - 風險事件平均發現時間超過8小時，錯失最佳處理時機
The average time for risk events to be discovered exceeds 8 hours, missing the best opportunity for handling



- 02 效率瓶頸: 人力成本吞噬利潤**
Efficiency bottleneck: Labor costs erode profits

- 每桌結算耗時45分鐘，高峰期客人等待投訴率上升40%
It takes 45 minutes to settle accounts at each table, and the complaint rate of guests waiting during peak hours increases by 40%
- 一個中型娛樂場日均結算人力投入達230人/時
The average daily manpower input for settlement in a medium-sized casino reaches 230 people per hour
- 人工算錯導致月均3起客戶糾紛，每起處理成本約1.2萬美元
Human calculation errors have led to an average of three customer disputes per month, with each dispute costing approximately 12,000 US dollars to handle



- 03 合規重壓: 審計成本居高不下**
Compliance heavy pressure: Audit costs remain high
- 合規審計需3人/天整理單據，年成本超過50萬美元
Compliance auditing requires three people to organize documents per day, with an annual cost exceeding 500,000 US dollars
 - 監管報告生成耗時長達72小時，延遲率達28%
The generation of the regulatory report took as long as 72 hours, with a delay rate of 28%
 - 不合規罰款平均每年造成2-3%的營業損失
Non-compliance fines cause an average annual business loss of 2-3%



荷官端產品解決方案 / Dealer Official Product Solutions



荷官工作模式的革命性變革 / The Revolutionary Transformation of the Dealer's Working Model



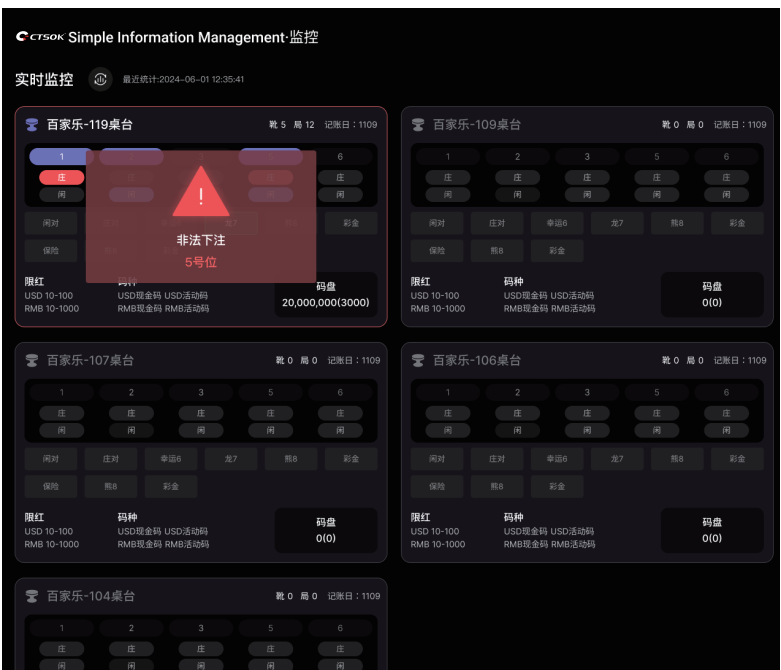
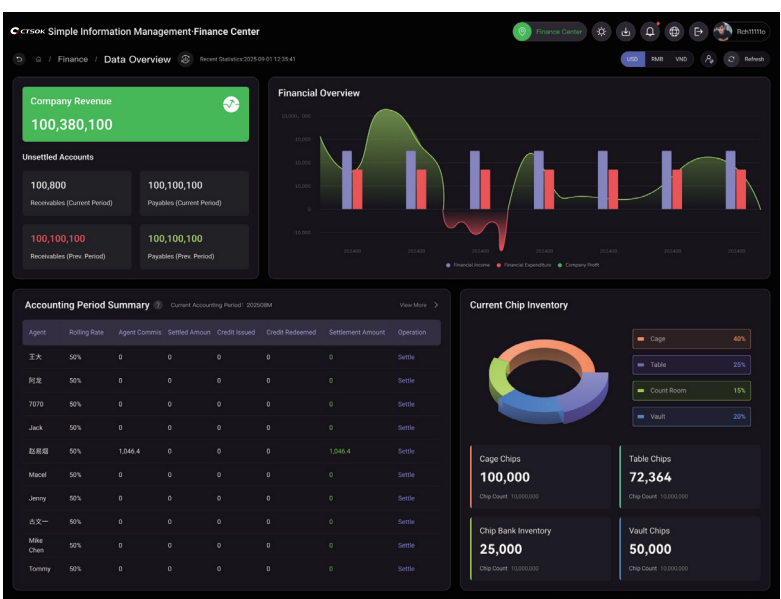
- 智能操作:** 賣碼/打散流程數字化，**操作步驟減少60%**
The process of selling chips and dispersing them up has been digitized, reducing the operation steps by 60%
- 風險防控:** RFID籌碼檢測+異常行為預警，**識別準確率100%**
Risk prevention and control: RFID chip detection + abnormal behavior early warning, with a 100% recognition accuracy rate
- 無人結算:** AI視覺識別+自動結果判定，**全程100ms內完成**
Unmanned settlement: AI visual recognition + automatic result determination, completed within 100ms throughout the process

荷官體驗提升 / Improvement of Dealer Experience



- 操作步驟**減少60%**，工作疲勞度**下降52%**
The operation steps have been reduced by 60%, and the work fatigue has dropped by 52%
- 培訓周期**從2周縮短至3天**，新人上手速度**提升75%**
The training period has been shortened from two weeks to three days, and the speed at which newcomers get started has increased by 75%
- 錯誤率**從8%降至0**，荷官自信心顯著增強
The error rate dropped from 8% to 0, and the confidence of dealer has been significantly enhanced

數字化管控中樞 / Dealer Control and Management Hub



- 實時監控:** 動態數據看板展示客流/營收/風險指標，刷新頻率10秒/次
Real-time monitoring: Dynamic data dashboards display passenger flow/revenue/risk indicators, with a refresh rate of 10 seconds per refresh
- 權限體系:** 三級數據訪問權限，核心財務數據加密存儲
Permission system: Three-level data access permission, core financial data encrypted storage
- 財務工具:** 經紀人自動核算+財務報表一鍵生成
Financial tools: Automatic accounting by brokers + one-click generation of financial statements
- 玩家分析:** 玩家行為分析，提升整體活躍度
Player analysis: Player behavior analysis to enhance overall activity

核心優勢 / Advantages

技術參數鑄就核心競爭力 / Technical parameters build core competitiveness

性能指標 Performance indicators	傳統系統 Traditional system	CTS系統 CTS System	提升倍數 Increase multiple
籌碼識別精度 Chip recognition accuracy	85%	100%	1.18x
單桌結算耗時 Time Consumed for Single-Table Settlement	45分鐘/桌 45 minutes per table	30秒/桌 30 seconds per table	90x
系統可用性 System availability	99.2% (年 downtime 70小時) 99.2% (downtime of 70 hours per year)	99.99% (年 downtime <52分鐘) 99.99% (The annual downtime is less than 52 minutes)	80x
數據恢復時間 Data recovery time	4-6小時 4 to 6 hours	自動恢復(<30秒) Automatic recovery (<30 seconds)	480x
日均維護時間 Average daily maintenance time	2小時/天 Two hours per day	15分鐘/周 15 minutes per week	56x
並發處理能力 Concurrent processing capability	1萬TPS 10,000 TPS	10萬TPS 100,000 TPS	10x
擴容成本 Expansion cost	線性增長 Linear growth	邊際成本遞減 Diminishing marginal cost	-

