光伏电站智能运维管理系统

电站云运维管理平台
Power Station Operation and Maintenance Platform

电站云运维终端管理系统
Power Station Cloud Operation and Maintenance Terminal Management System

提高电站收益:
Improve Power Station Revenue:

- 大数据分析，短板优化，提高效率
- Data analysis, optimization, improve efficiency
- 风险预测，快速排除故障，降低损失
- Risk prediction, quick troubleshooting and loss reduction
- 远程运维、降低成本
- Remote operation and maintenance, cost reduction

辅助投资决策:
Assisting Decision-making:

- 设备类型评估
- Equipment type assessment
- 人员成本评估
- Personnel cost assessment
- 团队绩效评估
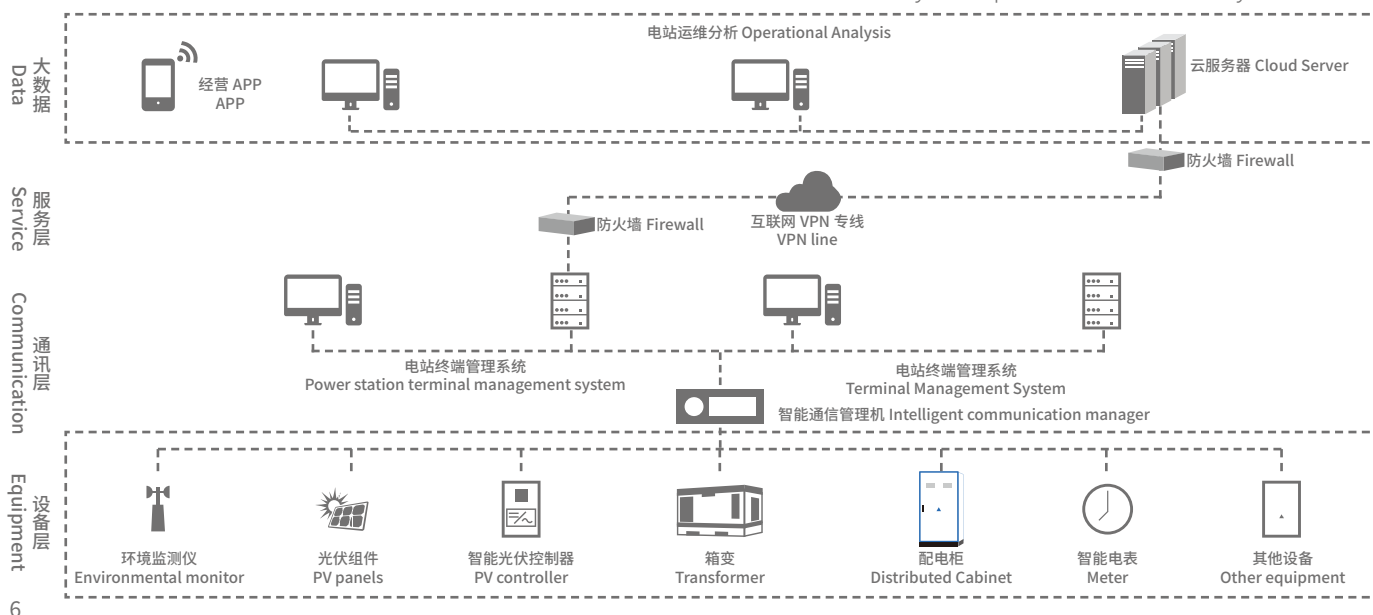- Team performance assessment
- 融资风险评估
- Financing risk assessment

保障资产安全:
Security of Assets:

- 高可用性双机冗余备份，服务无缝接管
- High availability dual machine redundancy backup
- 24X7 小时不间断，监控电站运行，保障电站安全
- 24*7 hours uninterrupted monitoring, ensure the safety
- 数据冗余备份，保障数据安全
- Data redundancy backup to ensure data security

大数据 Data	电站运维分析 Operational Analysis		云服务器 Cloud Server

经营 APP APP

防火墙 Firewall

服务层 Service — 防火墙 Firewall — 互联网 VPN 专线 VPN line

通讯层 Communication

电站终端管理系统 Power station terminal management system

电站终端管理系统 Terminal Management System

智能通信管理机 Intelligent communication manager

设备层 Equipment

| 环境监测仪 Environmental monitor | 光伏组件 PV panels | 智能光伏控制器 PV controller | 箱变 Transformer | 配电柜 Distributed Cabinet | 智能电表 Meter | 其他设备 Other equipment |

Intelligent PV station operation and management system

光伏电站智能运维管理系统
PV Station Intelligent Operation and Maintenance Management System

关键功能 Key functions	云服务终端 Key functions Cloud Service Terminal Term	子站生产管理系统 Sub-station Management	运维 APP Operation APP
电站 KPI 指标监控 (KPI of Power Station)	●		
运行、对比报表管理 (Compare Report Management)	●		
全电站 PR 分析对比 (PR Analysis)	●		
组串智能分析 (Cluster Intelligence Analysis)	●		
运维分析 (Operational Analysis)	●		
资产管理 (Power Station Asset Management)	●		
电站监视 (Power Station Monitoring)	●		
电站管理 (Power Station Management)	●		
远程专家诊断 (Remote Expert Diagnosis)	●		
日常办公 (Daily work)		●	
两票管理 (Operation Registration)		●	●
缺陷管理 (Defect Management)		●	●
值班管理 (Checking Management)		●	
子站资产管理 (Sub-station Asset Management)		●	
运行报表 (Operating Report)		●	
统计分析 (Statistic Analysis)		●	
逆变器监控 (Inverter Monitoring)			●
组串监控 (Strings Monitoring)			●
告警管理 (Alarm Management)		●	●