BCX SOLAR ERP Solution

Powered by Huawei

Purpose-built Financial Management for Municipalities

Combining BCX SOLAR software with Huawei IT infrastructure to enhance operational efficiency, governance, and financial control.

BCX SOLAR ERP

Municipal Financial Management

- **Core Financials**
- **Budget Management**
- **Cemetery Management**
- **HR & Payroll**
- **Business Intelligence**
- **Business Process Management**

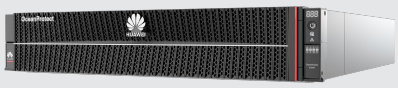
Huawei IT Infrastructure



FusionCube



OceanStor Dorado



OceanProtect

BCX SOFTWARE + HUAWEI INFRASTRUCTURE

Solution Overview

Service Oriented Local Authority Resource Management Solution (SOLAR) is a purpose-built Financial Management Solution (FMS) for municipalities, with more than 35 years of market leadership.

Huawei is a global provider of ICT infrastructure and smart devices, with more than 20 years of presence in South Africa.

By combining BCX SOLAR software with Huawei IT infrastructure, the joint solution helps municipalities enhance operational efficiency, governance, and financial control.

BCX SOLAR

Purpose-built municipal financial management software.

Huawei IT Infrastructure

Infrastructure capabilities covering compute and HCI, virtualization, storage, and data protection.

Efficient Simplicity

A reliable, scalable infrastructure foundation for SOLAR ERP, with unified management to simplify operations.



- Huawei Hyper-Converged Infrastructure (HCI) provides a reliable, scalable foundation for the SOLAR ERP platform.
- It supports critical financial, billing, customer service, and operational applications on a unified infrastructure.
- Centralized management of 20,000+ sites, one-click O&M, and minimal IT staffing requirements help reduce operational costs.

Features and Benefits

Ensure the Security of Core Data

Protect critical municipal data and support business continuity through efficient backup and recovery.



OceanProtect

- Huawei OceanProtect delivers comprehensive data protection for the SOLAR ERP Financial Management Solution, safeguarding critical financial, billing, customer, and operational data.
- By minimizing Recovery Point Objectives (RPOs) and Recovery Time Objectives (RTOs), it supports rapid recovery from outages, cyberattacks, and accidental data loss.
- A deduplication and compression ratio of up to 72:1 helps reduce data protection costs.

Intelligent Management

Unlock the value of municipal data to enhance governance, visibility, and decision-making.

Governance

Insights

Budgeting

- Huawei's data management solution unlocks the value of municipal data, enhancing governance, visibility, and decision-making.
- AI-driven insights can support revenue optimization, fraud detection, and intelligent budgeting, helping municipalities improve financial performance and advance toward data-driven operations.

Solution Architecture

BCX SOLAR applications supported by Huawei virtualization, core business infrastructure, and data protection.

BCX SOLAR Application Layer

- Core Financials
- Budget Management
- Cemetery Management
- HR & Payroll
- Business Intelligence
- Business Process Management

Ultra Performance | **Scalability** | **Sustainability** | **Data Resilience**

DCS Data Center Virtualization Solution

DME

eSphere

Permanent License Model
CPU-Based Pricing
Intelligent Management

Core Business Infrastructure



FusionCube



OceanStor Dorado

Data Protection



OceanProtect

Package options and component capabilities are shown on the following page.

Flexible Solution Packages

Three configuration options combine SOLAR ERP with Huawei infrastructure to support different infrastructure needs.

Component	Standard	Advanced	Premier
SOLAR ERP	Included	Included	Included
DCS	Included	Included	Included
FusionCube	Included	Included	Included
OceanStor Dorado	-	Included	Included
OceanProtect	-	-	Included

Standard Package FusionCube + DCS + SOLAR ERP

Advanced Package FusionCube + OceanStor Dorado + DCS + SOLAR ERP

Premier Package FusionCube + OceanStor Dorado + OceanProtect + DCS + SOLAR ERP

Infrastructure Capabilities

FusionCube
Hybrid HCI and Compute Architecture
High Performance and Reliability
Rapid and Simplified Deployment

OceanStor Dorado
Unified Storage: SAN + NAS + S3
99.99999% Reliability and Active-Active
AI Copilot for O&M

OceanProtect
155 TB/h Backup Speed; 172 TB/h Recovery Speed
72:1 Data Reduction Ratio
Industry-leading Ransomware Protection

Performance and feature availability depend on the selected product model, configuration, and deployment conditions.

Related Products



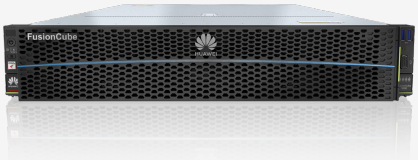
New-Gen OceanStor Dorado 3000

A cost-effective entry-level converged all-flash storage system supporting SAN, NAS, and S3.



OceanProtect Backup Storage

Used as target storage or as an integrated appliance, delivering efficient backup and recovery at a lower total cost of ownership.



FusionCube 1000

A simplified, efficient, and reliable Hyper-Converged Infrastructure (HCI) choice for enterprises.

Speak to an Expert

Contact your BCX or Huawei representative to discuss the right SOLAR ERP infrastructure configuration for your municipality.

BCX + Huawei