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EnOS™ Ark

Enterprise Resource and Carbon Management

The Need for Net Zero

Joining the green value chain isn't just a responsible choice—it's a strategic imperative.

For Compliance

Businesses must comply with evolving regulations as violations will eventually result in stiff penalties and fines.

For Investors

85% of of investors now take ESG factors into account when making investments.[2]

For Cost Savings

Reduced resource consumption with energy efficient technology can lead to operational cost savings.

For Brand Positioning

74% of consumers say they care about the environmental impact of products they buy.[1]

The Challenges with Achieving Net Zero

Goal-setting is easy—but many companies lack the expertise to manage their Net Zero journey in-house.

Resource Intensive

Excel-based manual data collection from different sources is labour-intensive, limited, and unreliable.

One Size Does Not Fit All

Strategies that work for one part of a business (or one geography), may not work elsewhere.

Evolving Regulatory Compliance

The regulatory landscape varies from country, down to industry level, adding layers of complexity to compliance.

Complex Data

Most global operations will have geographically scattered data. This makes it challenging to consolidate, structure, and validate data.

Simplify Your Journey with EnOS™ Ark

Ark facilitates a guided journey for organizations by simplifying complexities of the energy transition.

1 Optimize Energy Consumption

- **Real-time data collection** of quality, transparent data from diverse sources.
- **Comprehensive visibility** into resource usage across operations.
- **Energy intelligence** by identifying actionable insights for energy efficiency.
- **Performance bench-marking**
- **AI driven IPMVP tool** for energy savings performance measurement

2 Reduce Carbon Emissions

- **Multi-regional carbon accounting** with an extensive emission factor library that is aligned with GHG protocols.
- **Track progress** via achievable targets adhering to Science-Based Targets Initiative (SBTi).
- **Manage abatement and mitigation initiatives** across enterprise and for all sources of emissions.

3 Facilitate The Energy Transition

- **Other platform capabilities,** such as AI HVAC optimization, EV charging, renewable, battery storage, grid management, all within a unified platform.
- **Simplify carbon offset accounting** using Voluntary Carbon Credits (VCCs) from verified sources.

Roche Adopts EnOS™ Ark to Achieve Energy Efficiency and Carbon Reduction

Roche

Project Dimension

50,000 sqm building comprising offices, research lab, and other tenants.

Customer Needs

- Reduce energy consumption
- Rebate common services to tenant
- Predictive maintenance
- Plan investment on assets
- Capture carbon reduction

Key Results

- 35% in energy savings
- 32.6k USD in cost savings

About Ark Enterprise Resource and Carbon Management Software

Technical Product Feature: Ark Resource Manager

Energy & Sustainability Management

- Portfolio and site level user configurable dashboards
- Portfolio metrics and KPIs for energy, sustainability, and operations. IoT-enabled, real-time measurement of power generation and consumption footprint across portfolios
- Environmental monitoring to capture energy, water, waste, temp, humidity, and CO_2 levels

Asset Health Monitoring & Control

- Monitor asset health for built environments across enterprise portfolio
- Manual, auto scheduled and conditional asset control
- Configurable alarms and notifications

Energy Transition Integration

+ Smart grid integration `Custom offer`
+ VPPA integration `Custom offer`
+ Renewable energy integration `Custom offer`
+ EV charging integration `Custom offer`
+ Energy storage `Custom offer`

Energy Analytics

- Advanced analytics for consumption analysis and insights
- Portfolio consumption benchmarking, ranking, and outlier analysis
- Energy diagnostics that identify wastage and potential savings
- Recommendation engine to drive energy savings actions
- AI IPMVP — AI/ML based energy baseline modeling and energy savings performance measurement
- Historical data analysis

Data Management and Reports

- Supports standard KPIs data export
- Custom data export
- Seamless data integration to carbon accounting and management module

+ These services are available on-demand as a standard add-on or as a customized service. For more details, please contact your sales representative

Technical Product Feature: Ark Carbon Management Software

Carbon Accounting

- GHG protocol accounting for scope 1, 2 & 3. Monthly high-quality data collection across enterprise's operational entity units
- Hybrid data sources support (IT + IoT) Automatic IoT energy import from Ark RM App
- Customizable emission templates and factors for geographic, business-specific requirements, with in-built libraries
- Carbon analytics for scopes, activities, entities, and more

Enterprise Portfolio

- Multi-regional enterprise Org structure
- Capture 1000+ operating business entities
- User customizable persona-based dashboards with widget library
- User-based access and control
- Multi-tier dimension views

Carbon Credit & Offset

- Carbon offset accounting
- Carbon credit inventory management
- Carbon credit offset allocation across enterprise and lifecycle tracking
- Carbon credit cost management

Target setting

- Set SBTi target for all scopes and entities
- Track targets and metrics for sustainability reporting
- Plot net-zero graph for BAU, forecast, target, abatement
- KPI dashboards and analytics

Carbon Abatement

- Abatement initiatives planning
- Carbon abatement accounting
- Abatement initiatives marginal cost evaluation with MACC
- + Energy transition technology integration

Reports and Disclosure

- Standard KPI metrics data export
- Emission activity data export
- Standard sustainability report generation
- + Industry specific reports `Custom offer`

+ These services are available on-demand as a standard add-on or as a customized service. For more details, please contact your sales representative

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Univers provides the world's most comprehensive decarbonization system, designed to empower enterprises and countries to accelerate their transition to Net Zero.

Our system streamlines the integration of a diverse range of technologies. These include: resource and carbon management, renewable energy management, EV charging solutions, energy storage, AI-driven HVAC optimization, and more. We equip organizations with everything they need to embark on their sustainability journey.

With over 240 million devices connected and 600 GW of renewable energy managed, our platform serves a global community of over 800 clients—including industry leaders like Microsoft, Starbucks, and HSBC.

For more information

To learn more about Univers Carbon Management offerings, contact your Univers sales representative or your Univers Business Partner.