

MQcloud Platform Powers Chylyng's Seamless Integration of Smart Cooling Tower IoT Systems

The proliferation of Internet of Things (IoT) systems has profoundly changed how assets such as property, factories, equipment, and manpower are managed. IoT itself is made up of diverse devices tailored to the specific needs of different industries and environments, while cloud computing facilitates the storage and access of data, applications, and services over the internet. Through cloud computing, IoT environments can overcome constraints like limited compute power and storage capacity — and at the same time, IoT connects the cloud to physical devices, enabling real-time remote monitoring and control. This case study looks at how Chylyng, as an IoT system developer, uses the MQcloud platform to manage multiple cloud accounts from different providers, achieving more efficient use of cloud resources.



About Chylyng

Chylyng Co., Ltd. specializes in developing and deploying integrated IoT solutions, and has completed over 100 successful system integration projects, establishing itself as a leading AIoT service provider. Building on this extensive experience, the company has grown into a trusted provider of IoT data aggregation platforms as well as personnel and asset tracking systems, with an ongoing commitment to advancing its IoT offerings.

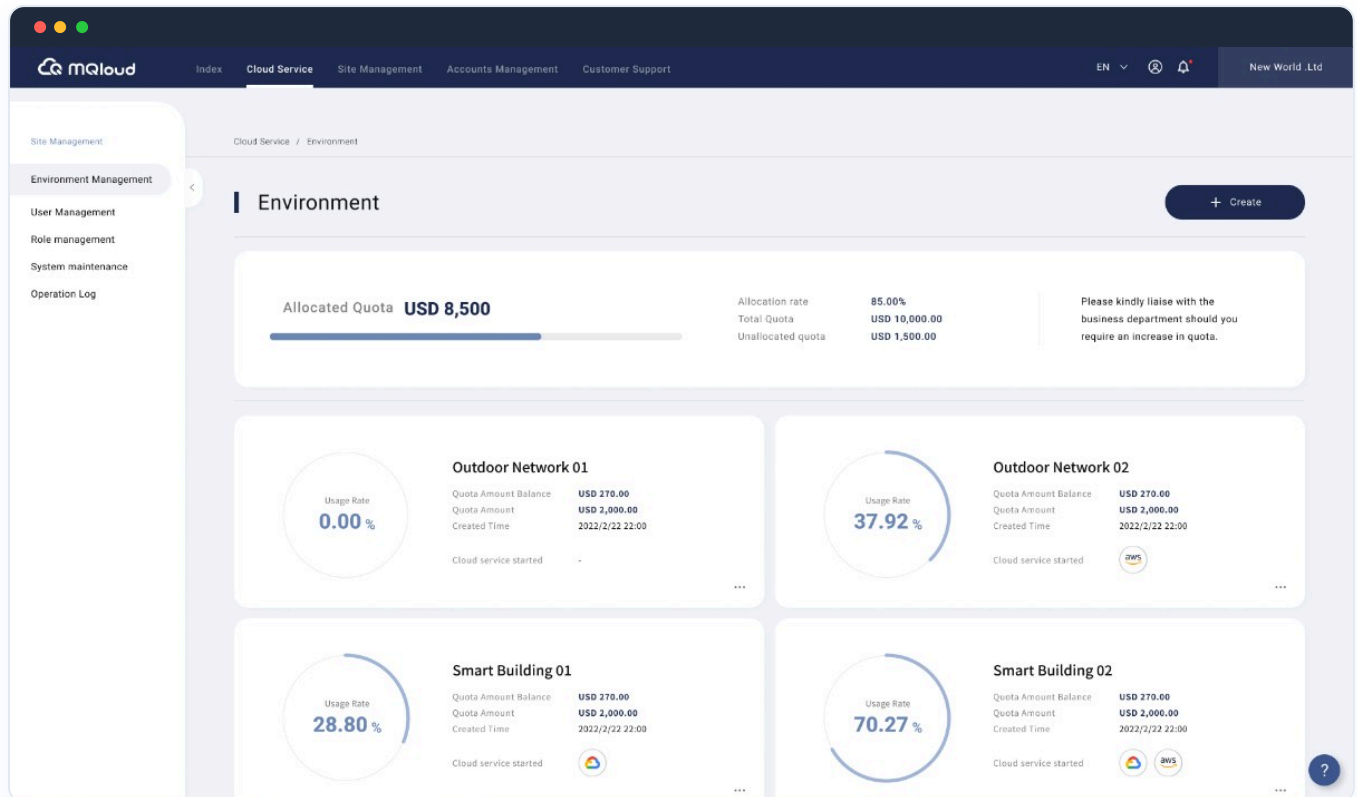
Challenge

Rather than relying on a single cloud environment, IoT system developers are increasingly connecting their systems to specialized platforms offered by different cloud providers. This approach doesn't just enable effective management of IoT devices spread across different geographic locations — it also strengthens system resilience and redundancy, meets diverse compliance and data sovereignty requirements, and supports building hybrid cloud environments for security and privacy purposes. Managing multiple cloud accounts, however, often adds a layer of complexity.

Chylyng manages numerous AIoT projects for multiple clients, spread across different cloud platforms and accounts. For example, the company currently delivers AIoT cloud processing services for the smart cooling towers deployed by Tairone Energy Saving Technology Co., Ltd., helping them efficiently manage cooling towers distributed across multiple locations. As Tairone expands its business with plans to deploy more smart cooling towers, Chylyng urgently needs a highly scalable, easy-to-manage multi-cloud resource management solution to keep up with growing AIoT management demand — from Tairone and other clients alike.

Solution

The newly installed Tairone smart cooling towers are seamlessly managed through Chylyng's AIoT platform, integrated with the existing smart cooling tower system. Using MQloud's "Environment" technology, Chylyng efficiently manages network resources for Tairone and other clients through the MQloud platform, enabling flexible resource allocation and performance optimization. This integrated approach lets Chylyng improve the operational efficiency of the smart cooling system, ensuring optimal performance and scalability across multiple cloud environments.



Using the MQloud platform to manage multi-cloud environments has greatly simplified how we handle, monitor, and allocate cloud resources. This flexibility lets us scale and allocate resources as needed, keeping up with the growing demands of our AIoT devices and cloud computing data — all while keeping costs under control.

— Dr. Brouse Huang, General Manager, Chylyng Co., Ltd.

Outcome and Benefits

Resource Integration

Manage cloud resources and accounts on a single platform, with a granular view of resource allocation and consumption.

Flexibility and Multi-Environment Design

"Environment" technology enables flexible management and upgrades of different client solutions across public clouds, supporting multiple independent environments.

High Security

Multi-cloud architecture enhances data security by avoiding single points of failure, ensuring no data loss.

Compliance Management

Multi-cloud architecture meets various industry standards and regulatory requirements, ensuring data compliance.

Key Features of MQloud

- Multi-Environment Design**
Create multiple independent environments to manage solutions for
- Multi-Cloud Resource Integration**
Manage multiple cloud resources through a single platform, simplifying
- Billing Management**
View costs across different cloud environments and detailed service fees

different clients separately.

account and permission control.

in one place.

4 Cost Control

Regardless of how many cloud providers are used, you only pay the MQloud platform fee.

5 Simplified Operations

A unified interface reduces operational complexity, making it easy to deploy services.

6 Quota Limits

Set quotas for each environment — once the limit is reached, no additional resources can be added, with alerts available per environment.

About MQloud

MQloud is a proprietary multi-cloud management platform developed by Knowtecq Limited, integrating multiple cloud environments to simplify operations. With an intuitive, powerful interface spanning internal customer management, cross-cloud integration, and resource optimization, MQloud helps businesses enhance operational efficiency and information security — freeing teams to focus on innovation and productivity.

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