

# ColdLogik

## CASE STUDY

Chubb Insurance HQ, London

Expansion of existing data center

2010

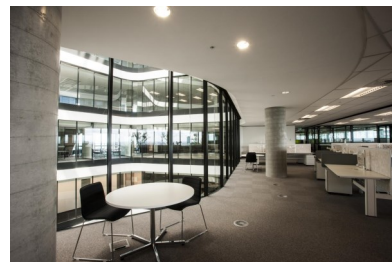
**USystems**  
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### The Client

For more than 130 years, the Chubb Group of Insurance Companies has been delivering exceptional property and casualty insurance products and services to businesses and individuals around the world.

Today, they are the 12th largest property and casualty insurer in the United States and have a worldwide network of some 120 offices in 26 countries staffed by 10,200 employees. The Chubb Corporation reported \$50.4 billion in assets and \$13.9 billion in revenues in 2013. According to Fortune magazine, Chubb is the 202nd largest U.S.-based corporation.



Chubb is the world's largest publicly traded property and casualty insurer.

### The Brief

In 2010 Chubb Insurance required their existing data centre at their London headquarters to increase capacity, energy savings and cooling.

### Parameters

The existing site was on the top floor of a Victorian London City building with restricted access and a prohibitively shaped data centre room with no floor void and low ceilings.

They required a 90kW duty with a Tier 2+ rating.



### Solution

USystems installed 11 x 42U CL20 C8 rear coolers onto existing cabinets via interface frames, a Leak Prevention System, and a free cooling chiller



### Kilowatt Duty

The total for this 11 cabinets addition to their data centre is 100kW.

### Energy Savings

USystems installed 11 x 42U CL20 C8 rear coolers onto existing cabinets via interface frames, a Leak Prevention System, and a free cooling chiller



Fenchurch Street in the City of London closed off for crane lifting the new chiller on to the roof of this listed building



# Restrictions

The location of the data centre with its restrictive footprint and no floor void dictated an overhead water feed.

# External Plant

1 x free cooling chiller installed onto the roof of their 8 storey office block in the heart of the City of London

# Leak Prevention System

Because the client required the pipe work to run through their offices to the data centre at high level, they opted for the additional security and peace of mind that the patented Leak Prevention System which complements the ColdLogik rear cooler solution in many scenarios.



LPS System



CGI of interface frame to couple the CL20 rear cooler to existing cabinets within the data centre.

“The system has improved the general room cooling and added N+1 to the data centre without any ‘down’ time.”

*Client Comments*



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