

# ROYAL AUSTRALIAN MINT

CANBERRA, ACT, AUSTRALIA

GOVERNMENT

## MONEY MAKER

The Royal Australian Mint is responsible for producing all of Australia's circulating coins. In 1963 the Government decided to introduce decimal coinage into circulation with dollars and cents replacing pounds, shillings, and pence. The Royal Australian Mint was built in preparation for the introduction of decimal currency. The building was officially opened on February 22, 1965.

## PROJECT DETAILS

The goal for the Commonwealth Lands Agency was to acquire a NABERS rating for the facility, which required reporting in order to succeed. Innovative Electrical Solutions lived up to their name by meeting the client's unique reporting wish list by installing a Reliable Controls<sup>®</sup> MACH-System with RC-Archive™ 2.0 software tasked with the reporting. Using Microsoft Access as a front-end and RC-Archive™ 2.0 as the SQL database, Innovative were able to deliver a key factor to the building owner.

The HVAC components of the building consist of 2 scroll chillers, 2 cooling towers, 2 single stage, non-condensing boilers, and 35 VAV terminal zone controllers. ENERGY meters were added to the hot water and chilled water mechanical system and there is a power meter for the mechanical services switchboard. The BACnet<sup>®</sup> component of the project involves 15 ABB VFD drives connected via MS/TP.

To learn more about projects using Reliable Controls<sup>®</sup> visit [www.reliablecontrols.com/projects/overview](http://www.reliablecontrols.com/projects/overview)



### PROJECT TYPE:

**Retrofit**

### INSTALLATION TYPE:

**Boiler, Chiller, Power Monitoring, VAV, Water Monitoring, Gas Usage Monitoring**

### TOTAL AREA:

**4,200 m<sup>2</sup> (45,192 ft<sup>2</sup>)**

### EQUIPMENT INSTALLED:

**1 MACH-ProSys™  
3 MACH-Zone™  
5 MACH-ProPoint™  
10 MACH1™  
34 MACH-Air™**

### NETWORK:

**Ethernet, EIA-485, LAN**

### INTEGRATION:

**BACnet<sup>®</sup>, Modbus**

### TOTAL SYSTEM POINTS:

**270 points**

### ENGINEERING CONSULTANT:

**GHD Consultants Canberra**

### RELIABLE CONTROLS<sup>®</sup> DEALER:

**Innovative Electrical Solutions**

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