



# Commercial Security Solutions



## Government House Perimeter Security

### Project Overview

The Perimeter Security System at Government House, North Terrace, involved the installation of a 2km underground Fibre Network, bringing together the perimeter CCTV Security Beams and Access Control System to a central Control Room. Cameras were also installed at Government House itself.

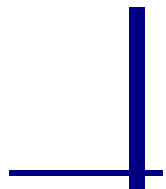
The entire project was under our contract to DTEI, and included the Project Management of the Security, Electrical and Fibre contractors.



**Government House**

The main criterion in the installation of this site was to make the installation as seamless as possible to the Governor and to minimise the impact to the surrounding gardens.

The strategy we used, we have mimicked several times with success.





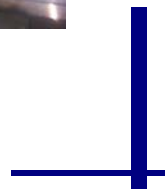
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- Prior to commencement of any works, lengthy discussions were held with DTEI and the consultant (GHD) to ensure that there was a full understanding of the scope of works. This included walking through the functional specification and site visits marking out locations that were acceptable to both GHD and the Grounds People.
- After Hours testing was carried out over several nights to ensure that the equipment was suitable for the application.
- A new 2km Fibre Network was installed, including the trenching.
- All control panels and associated electronics were installed within 19 custom designed and manufactured outdoor enclosures which were installed around the garden perimeter.

## Field Enclosure

### Camera & Enclosure to blend into surrounds







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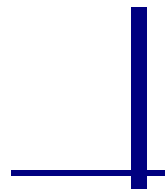


- Camera poles and cameras, complete with IR Illuminators were installed adjacent the enclosures, linked to a PE Beam Perimeter network.



**Camera & Illuminators**

**Perimeter PE Beams with Camera and Enclosure in background**





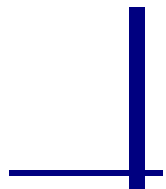
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- The entire system communications was linked back via the Fibre Network to the Guard House.
- All equipment was housed in Racking within the Guard House.



**Communications Rack**







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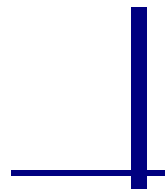
- Custom GUI layouts were produced for easy Guard control and monitoring of Cameras, Alarms and responses.



**Front-End GUI and CCTV Monitor**

- When completed, staff training was carried out and we ensured we were available for any issues that may arise.

During all stages of the Project, the Client, DTEI and GHD were fully updated with our progress and of any key milestones that may be required.





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## **Key Constraints**

There were many constraints on the Project, of which we had to identify, address and manage. There are similarities with these and for those called for in this Project.

### **Gardens**

The contract was awarded to us during winter, and had a non-variable completion date. This meant that trenching was carried out during winter rain. We had to ensure that the areas always remained safe and that Gardens were not unduly damaged and that particular "significant" vegetation was not disturbed. Consultation was also made with Arborists in regard to location of boring for camera poles and the trenching.

### **Guard House Relocation**

Part of the contract related to refurbishment of the existing Guard House. To enable continuation of Security, we transferred all Electronic Security from the Guard House to a temporary Hut whilst building works were undertaken. All cabling and equipment was transferred to the Hut within a day. This minimised the Security downtime. Once building works were completed, the Security was reinstated to the Guard House.

A similar requirement is called for within this Project and we can call upon our experience to ensure this occurs smoothly.

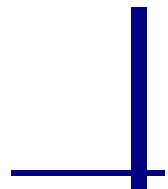
### **Heritage Works**

The Guard House, (where the main equipment was installed and housed), and Government House itself were both Heritage Listed. This meant that all approvals had to be met, and that extreme care needed to be taken throughout the installation.

### **International Foreign Delegates**

Being the nature of the premises, high profile delegates would often visit the site to meet with the Governor. We had to always ensure that staff were discrete and polite. Midway through the project, it was announced that US Secretary of State, Condoleezza Rice was meeting with the Governor. This visit brought Adelaide to a stand-still. Because of the sensitive nature of the visit, we had to re-arrange our program and strategies on the project, to ensure that there was adequate security operational for such a dignitary.

We had a 3 week window to escalate our works to achieve this.





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## Outcome

The project was completed within the specified time, given the obstacles that were handed to us. It was also completed to the full satisfaction of the Client, DTEI and GHD. (See attached Commendation).

While the project had its many challenges, we recognise and appreciate the confidence in all parties concerned, in awarding us such a prestigious project.

It gave us an opportunity to highlight our commitment to ensuring that such projects can be undertaken by our company, and that we could demonstrate our Planning, Project Management and Project completion to such a high standard, whilst also being technically challenging.

