

# Case Study 5

## Hilton Special Projects



### PortaBoom - Mobile Traffic Lights and Boom



**PortaBoom is the latest mobile offering by the Hilton Digital project team combining a traffic light management system with a boom gate at each end of the required management zone. It adds another level of efficiency and safety to Hilton's extensive traffic management product range.**

#### Key Processes Employed

Project Management,  
Engineering Design & Development,  
Advanced Stress Analysis (FEA),  
CAD Modelling and Detail Drafting,  
Fabrication; Laser Profiling, Press-Brake  
Bending, MIG & TIG Welding, Powder  
Coating,  
Electrical, Mechanical, and Electronics  
Integration,  
Final Assembly, Prototype Testing,  
Production Sign-Off

**MADE-AUSTRALIAN-TOUGH**

PortaBoom has been design, prototyped, tested and produced all in-house by the Hilton Digital team in association with Hilton Manufacturing's chassis manufacturing team.

The compact mobile unit features 2 modules that separate and deploy on-site forming both ends of the required management zone. Traffic lights and boom operation can be set up efficiently and reliably with its integrated power generation via solar panels and battery back up storage to create a fail safe and guaranteed operation in the most demanding of environments.

To discuss your next special project contact our Engineering Team today



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