

CERTIFICATE OF COMPLETION & CONFORMITY

Rev 22.1

I, Phil Morris of Fire Safety Equipment Pty Limited hereby certify that we have completed a FirePro Condensed Aerosol Fire Suppression system in accordance with AS5062-2022, in accordance with the manufacturers design documentation.

Name of Client	:	Penske Australia		
Location of Equipment	:	Penske – Chipping Norton		
Description of Protected Area	:	AUSGRID BESS 2 – SN.97261601029		

Protected Area	Agent Quantity	Number of Containers	Agent Application Density	Applicable Drawing(s)
Battery Enclosure	2000	4	130g/m ³	

Maximum Leakage Area – per Design Calculation 0.10m²

Shutdown installed YES with delay period for shutdown 0 Seconds

Variations from this Standard previously agreed to by the authority having jurisdiction are attached (clause references and related variations included).

Completed by:

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Name:	P Morris	Signature:	Alio		
Company:	Fire Safety Equipment Pty Ltd	Date Completed:	April 24, 2024		
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FirePro System Commissioning Mobile Plant

Rev 22.1

Ris	k: Battery Comparts	ments Reference: AUSGRIS BESS 2 SN.97	261601029				
	This system has been in	nstalled in accordance with manufacturer's design documentation a	nd AS5062				
		Tasks	Completed				
1.	Location of FirePro	Ensure units are mounted in appropriate location(s).	YES				
	Aerosol Generators	Are the brackets securely mounted.					
2.	Detection Systems	 Installation of Detection is appropriate for the machine. 	YES				
		Detection is securely mounted.	YES				
		NOTE : Detection may initiate fire suppression automatically.					
3.	Cabling requirements	 Has fire rated and shielded cable used. 	YES				
		Cable separated from hydraulic hoses and electrical cables.	YES				
		Cable fixings and cable path suitable (Conduit where	YES				
		necessary).					
4.	Control Panel	• Panel located in an appropriate location and is it securely	YES				
		mounted.					
		• Power connection to the panel is suitable dedicated supply.	YES				
		Backup battery installed.	YES				
5.	Signage and Alarms	 Are appropriate signs / sounder strobes installed. 	YES				
6.	Equipment Shutdown	Shutdown installed.	YES				
		 Shutdown delay in accordance with requirements. 	YES				
		COMMISSIONING					
1.	FIP Programming	 Programming of Panel meets client/site requirements. 	YES				
		Check Panel for fault(s).	YES				
2.	Activation Testing	• Activation testing to be performed in accordance with the	YES				
		procedures specific to the FIP installed.	VEC				
		Ensure FirePro Test Simulator Modules have activated	YES				
		Ensure and Alarms have activated.	YES				
2		Ensure shut down have activated.	YES				
3.	Fault Wonitoring	Disconnect cable from FirePro generator - fault should register on the FID - Where reultiple FirePre units are	YES				
		register on the FIP. Where multiple FirePro units are					
		Installed, this should done separately to test each unit.	VEC				
		 Remove detector head from base - fault must register on FIP. 	YES				
4.	Detection Testing	ENSURE the FirePro Test Simulator Modules installed for all					
	0	FirePro Aerosol Generators. Place detectors into alarm.					
		Ensure Visual/Aural Alarms have activated. Where multiple	YES				
		detectors are installed, each detector should be individually					
		tested					

Inspections all found to be compliant - Tests all completed.

Completed by :			$\langle \mathcal{D} \rangle$
Name:	P Morris	Signature:	tho
Company:	Fire Safety Equipment Pty Ltd	Date Completed:	April 24, 2024

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Job Description:	Job Address:	Job Area:	Date:
AUSGRID BESS 2 SN. 97261601029	Penske – Chipping Norton	Battery Compartments	April 24, 2024

IMPORTANT : The requirements of Standards do not override the regulatory authorities or OH & S Legislation

Risk Assessment shall be carried out by competent personnel, such people include the Owner, Operator, Maintenance Personnel, Supplier, Insurer and other persons where applicable. The hazard analysis should be updated continuously at intervals (within 5 years) or when any changes are made to the equipment, the operating environment, the operator or if an incident, such as a fire or collision, occurs.

Type of Hazard Class A	Х	Class B	Х	Class E	Х	Class D	Х
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Determine the possible fire scenarios. This includes: What can happen? When and where can it happen? Why and how can it happen? Examples of information that should be included in this section is fuel sources, ignition sources, normal operational conditions, foreseeable misuse and the effects of possible fires. In vehicles, areas in which possible fire scenarios can occur include but are not limited to;

Risk Area	Addressed by System
Turbo chargers	NA
Fuel systems (Incl. piping, hoses, pumps valves & injectors close to ignition sources)	NA
Cooling systems (including hydraulics, engine and transmission),	NA
Exhaust systems	NA
Hydraulics systems (including piping, hoses, pump and valves)	NA
Lubrication systems (including engine and transmission systems and grease systems)	NA
Braking systems (including retarders, park brakes and service brakes)	NA
Electrical systems (including alternators, generators, batteries, wiring and switch gear)	YES
Conveyor belts	NA
Areas where combustible materials can accumulate (including belly plates, engine valleys and wheel arches)	NA

Quantify the risk exposure by determining the likelihood and consequences of the fire scenarios. This shall take into account normal operating conditions as compared to intended operating conditions. This includes, poor maintenance practices, operator use/misuse, inexperienced operators, use of oils and greases, equipment interaction, wear and tear of components and the operating environment (for example; road conditions, equipment speeds or time of day). The analysis should include the following, where applicable;

- Health and safety of the operator / passengers • Production loss,
- Property loss

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- Health and safety of people in the vicinity
- Environmental damage.

Prioritize the possible fire risks based upon the likelihood of a fire event occurring and the potential damage caused. This should take into account factors including; the availability of firefighting equipment and personnel, egress points, means of fire detection and the availability and response time of external support. If the results of the evaluation indicate an unacceptable level of risk exists, then fire risk reduction measures should be undertaken.

What Can Happen? Determine the possible fire scenarios. Include When, Where and How it can happen. Include drawings/schematics.	How likely is this to happen? Quantify the risk exposure by determining the likelihood and consequences of the fire scenarios.	Prioritise the possible fire risks. What risk needs to be addressed first, and how? What existing controls are in place?
Ignition of Lithium Batteries during operation.	Unlikely – electrical safety control in place. Battery management System	Ensure proper maintenance cycle. Complete machine shutdown for any
Environmental fire involving the machine	Unlikely	Site risk assessment to be performed on placement of machine and specific use.

ire System Design Specification			
Fire Fighting Agent	FirePro Condensed Aerosol		
Detection System	Linear Heat Detection Cable 185degC		
Control System	FP-08451		
Shutdown Protocols	Shutdown on Alarm with 0 Sec Delay		
Operating Limitations	Site risk assessment to be conducted by operators		

Hazard Analyst:	P Morris	Hazard Analyst:	Site Supervisor:	
Position:	Director	Position:	Position:	
Signature:	Klom	Signature:	Signature:	