

Permission to print:	Yes
Near Miss or Accident	Accident
Type of incident:	Equipment
Catagory	Electrical / electronic
Knowledge Error	No
Protocol issue	No
Rule Error	No
Skill Error	No
Team Issue	No
Violation	No
Description:	Stockert S5 HLM shut down 1 hr 49minutes into a 2hr 33min bypass. Completed power loss from mains and/or battery. Did not switch to battery - complete shut down.The HLM was off for one minute (Electronic data from Connect). The electronic gas blender was restarted after the brief interruption. The lowest SvO2 was 80.2% over the time of the event.
Contributing factors:	Mains power supply to HLM appeared OK. No known circuit breakers tripped. [Possible] Malfunction/faulty switch/circuit in HLM. [Possible the on off switch was partially deployed and flicked to the off position. The operator cannot be sure at the reboot of the HLM if the on of switch was in the on or off position]
Corrective action:	Called for help - hit the emergency call - Confirmed the power supply to the HLM was OK and commenced brief hand cranking (about 3 turns) while rebooting the HLM at the HLM on /off switch (twice). Once HLM rebooted the bypass continued without further incident.
Preventative action plan:	Notified service personnel. The HLM was quarantined and Bio engineers conducted extensive checking that included removal of the EP Pack -After long and extensive tests, no issue could be found or reproduced. The specific event log was sent to Sorin. Both Engineering- and R&D departments read out all logged messages and no fault was found. Considering the seriousness of the event, the supplier decided to fly in a new Power Supply Module as backup to be kept at the Auckland warehouse for 4 weeks. A flip chart has been designed for the HLM for use in a similar event with direction to re-set the on/off switch where there is power to the HLM and not battery power cut in.
Manufacturer advised:	Yes
Discussed with team:	Yes
Ext Authority Advised	No
Patient outcome variance f	Nil