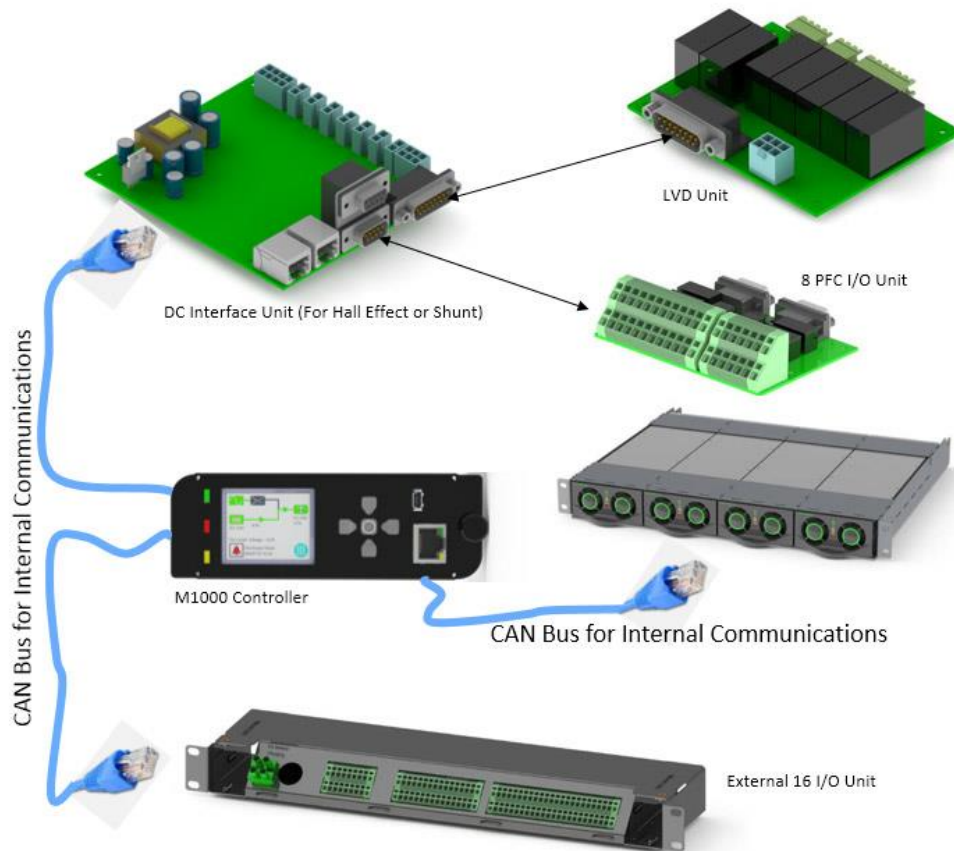


# M1000 Controller

## Controller Building Blocks



- M1000 Controller – This is the visible part of the system housing the Display, external user Interfaces and 2xCAN, 2xRS485, Ethernet and USB for internal or external communications
- DC Interface Unit – This unit has inputs for current (max 7) and dc voltage channels (max 6) and has drives for up to 5 LVD's
- LVD Unit – This unit interfaces with DC Interface Unit to provides terminations and Relays for LVD operation. Additionally it also provides termination for Temperature sensor, 2 auxiliary inputs and 2 outputs
- 8 PFC I/O Unit – This unit interface with DC Interface Unit and provides additional 8 PFC outputs and 8 opto isolated inputs. Alarms can be mapped to relays. Inputs can be configured as alarms or mapped to functions
- External 16 I/O Unit – This unit provides 16 PFC and 16 Opto isolated inputs. The unit directly connects on the CAN bus. Up to two numbers can be used, where more input / outputs are required.