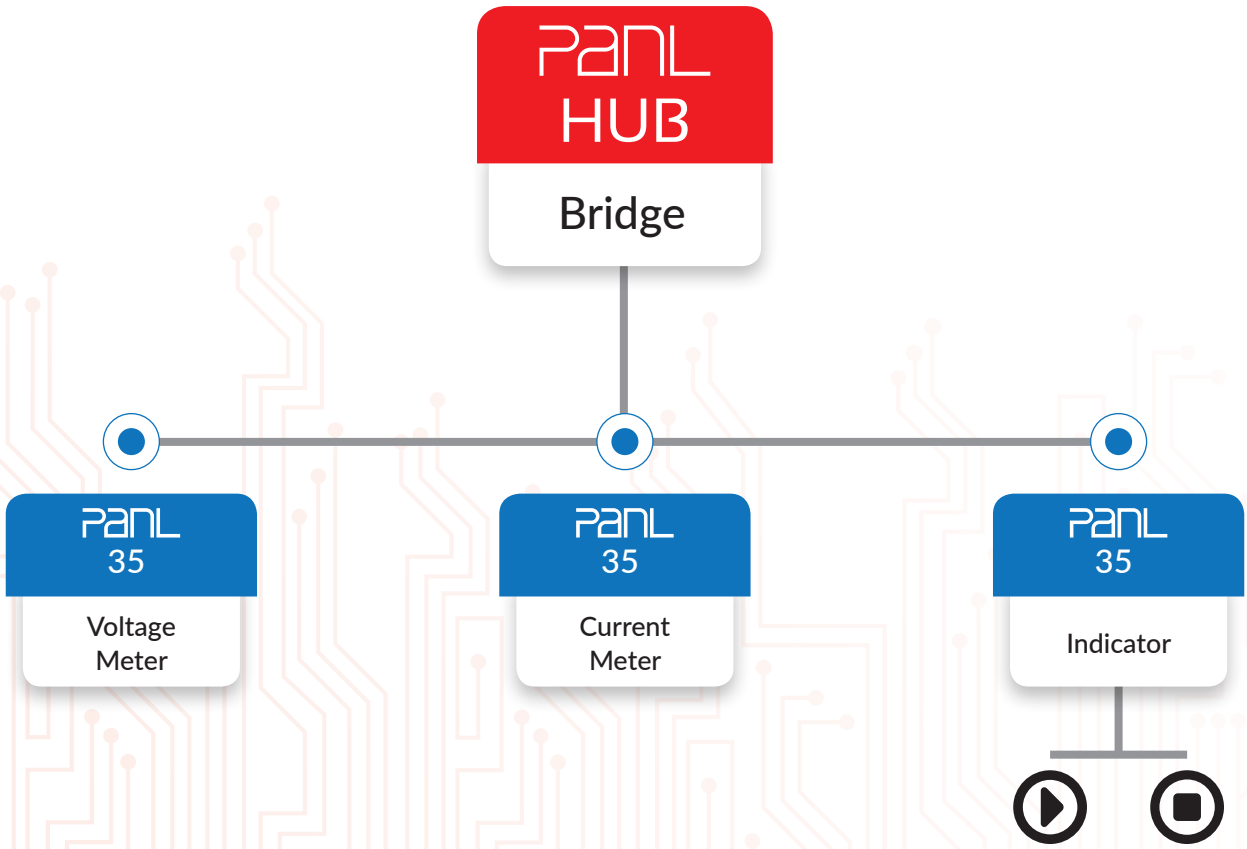
Smart Utilities Demonstration

Bridgetek
BRIDGING TECHNOLOGY



PanL displays such as the PanL 35, PanL 70 and PanL 70 PLUS offer access to a feature rich, full colour TFT display with touch control, audio and optical (LED) feedback. These smart displays are ideally suited for Human Machine Interface applications such as those found in utilities, metering and billing information systems. The demonstration here highlights the connectivity of energy sensors for smart metering, data logging and billing. They may be used in standalone fashion, or connected to external controllers or fully expanded with PanL HUBs to extend the monitored network.

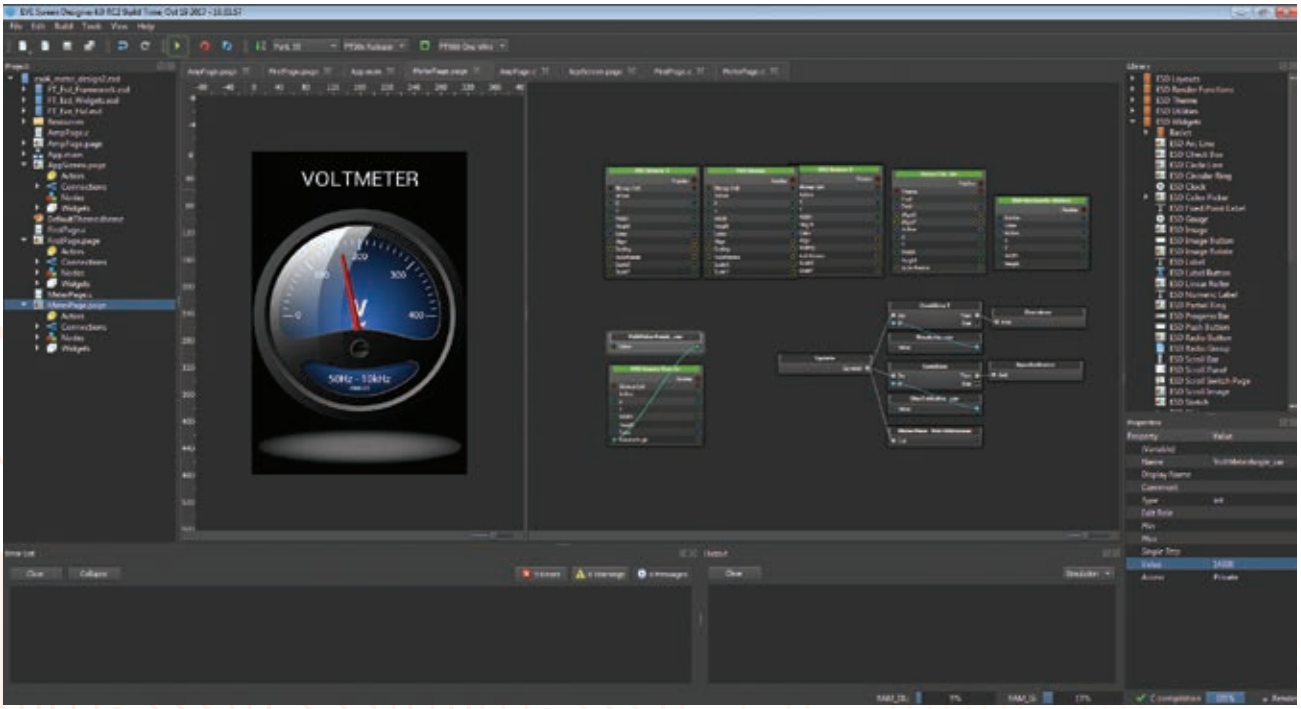
PanL Hub

PanL 35

PanL 70

A basic PanL installation will consist of a PanL HUB which is the heart of the system and multiple PanL devices. Additionally, PanL HUB offers multiple interfacing options such as RS485, Z-Wave, Wi-Fi and PoE to connect with a wide array of 3rd party smart sensors. Future versions of the PanL HUB shall support BLE Mesh and Zigbee.

PanL Display are full colour TFT solutions with capacitive touch and are available in 3.5" (PanL 35) and 7" (PanL 70) size options. These display panels connect and operate seamlessly with the PanL HUB.



EVE Screen Designer

PanL displays are brought to life by intuitive GUIs developed using the EVE Screen Designer (ESD). Bridgetek's ESD is a fourth generation toolchain that offers a one-stop development environment supporting the visual design paradigm. ESD incorporates the PanL board support package (PanL BSP) and is capable of directly targeting PanL 35 and PanL 70 displays. By focusing on WYSIWYG development, it enhances GUI developer productivity. Smart widgets, animations, page transitions, user touch inputs are all connected via feature rich flow charting controls and the built-in code generator and simulator enable quick debug iterations which significantly reduce developer effort. Additional application logic may be added to fine tune the end result.