

Pennsylvania Power & Light Corporation (PPL)

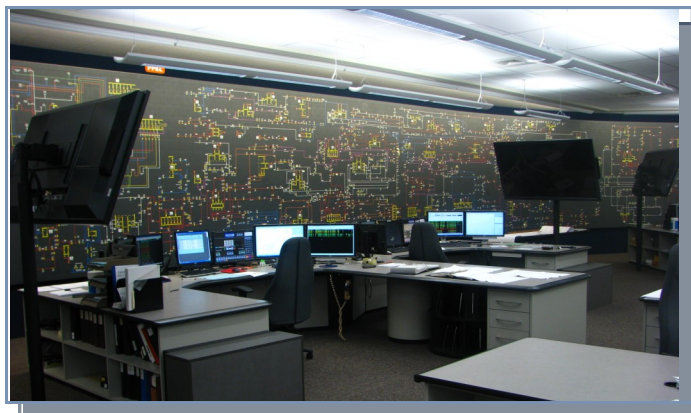
Six became two...

PPL, is an energy company headquartered in Allentown, Pennsylvania, USA. It currently controls over 11,000 megawatts (MW) of electrical generating capacity in the United States, and delivers electricity to 1.4 million customers in Pennsylvania and 2.6 million in Great Britain.

PPL decided to consolidate their six regional Pennsylvania control centers into a dual centralized 2 location approach, East and West. In 2008 Mauell provided consulting services to PPL to supply budgetary costs for planning purposes for the design and build of a state of art control room and began discussions on the vital change management that would need to be addressed in order for the consolidation to be successful. In 2009, Mauell was contracted to provide PPL with a sophisticated custom console system and an interlocked mosaic tiled mapboard at their PPL-Harrisburg (PA) Control Center location.

Specifically:

- One (1) 10 ft. H x 140 ft. W static mosaic mapboard- featuring Mauell's newly available 144mm charcoal colored mosaic tile with magnetic tagging capability. The mapboard provided a static representation of PPL-Harrisburg's electrical distribution system. Coordinated mapboard tie backs with PPL structural engineers.
- Six (6) purpose built custom Mauell designed operator consoles with emergency back-up positions at alternating operator positions for fast, convenient transition if needed. Equipped with fire-retardant core materials and little to no VOCs.
- One (1) purpose built custom Mauell designed supervisor console with noise suppression acoustical noise baffles. Equipped with fire-retardant core materials and little to no VOCs.
- One (1) large custom storage credenza with impact resistant ¼" Plexiglas surface
- Three (3) large format Map Storage Units with impact resistant ¼" Plexiglas surface
- Extensive data gathering sessions to qualify and quantify the necessary storage needed for the operators.
- Advised PPL with room lighting recommendations, component placement, & room foot traffic contractor.



The Harrisburg location would serve as PPL's new West Control Center- which involved the conversion and modernization of an old city warehouse. In streamlining their operations, PPL was going to be merging 3 regional control centers and its different standards, personnel and cultures into one control center. The warehouse provided a challenging footprint with less than preferred ceiling height and a long and narrow control room.

Mauell worked closely with key PPL operations personnel to establish unified standards which the former 3 regional control center personnel seamlessly transitioned into their new environment. Mauell stressed that the physical space, control processes, and technology are all inconsequential if the personnel change management is not addressed as part of the solution. Mauell was successful in providing standards in visual graphics that met the criteria of PPL and its operation staff but also able to meet the challenges of laying out the mapboard with low ceiling restrictions. Additionally Mauell worked closely with PPL's floor contractor to plan for console placement, handrails, and handicap accessible ramps within a multi-leveled floor plan.

Mauell installed the systems and completed the project in time and under budget. In PPL's words, "Mauell provided us with feedback and insights from their experience of designing and constructing operation centers that went well beyond the contracted requirements..."

...Their experience and professionalism was beyond expectation as the Mauell people were fast to respond to any need that arose."

Mauell Corporation is a privately held firm specializing in the supply of mission critical command and control spaces for the utility marketplace. Mauell also provides hardened control systems for nuclear simulation, train control and process control environments. Headquartered in Dillsburg, PA, Mauell provides turn-key services including design, build, installation and support.