



# Large and complex sites

## The Problem

High-capacity public and commercial facilities face strict DNSP export and compliance requirements under CSIP-AUS. In many cases, the physical design of these buildings—spread across multiple switchboards and inverters—makes direct communication with export meters or DNSP servers impossible. Traditional control methods often fail to accommodate site layout, multiple inverter brands, and dynamic export commands.

## Our Solution

Marshall provided a unified control architecture capable of both dynamic export and detailed monitoring. At the Wyndham Law Court, Marshall units were installed in the basement while inverters remained on the roof—connected through the building's LAN. The system controlled all inverters in real time, streaming data directly into the Court's network. The same principle now scales to large inverter sites, where Marshall Ultra coordinates multiple inverter types. Through direct communication with DNSP servers via IEEE 2030.5 (SEP2) protocol, Marshall manages export limits dynamically and aggregates system data through its cloud platform.

## Outcome

**Marshall enables complex sites to meet the highest compliance standards while maintaining full operational efficiency. Large systems now achieve reliable communication between DNSP and inverter networks, with precise data visibility and automatic export adjustments. In both public infrastructure and private developments, Marshall has proven to be the most flexible and compliant control solution for large-scale solar integration.**