NLC Electrical Systems – Functional Organization

Electrical Systems
R.S. Larsen

ES&H
Planning
Quality Assurance
Reliability

Pulse Modulator Systems
Solid State X-Band Induction 8-Pack
Solid State L-Band Hybrid 2-Pack
Solid State S-Band Hybrid 2-Pack
Pulsed Kickers Injection Extraction Beam Dumps

DC Magnet Power Systems
Main Linacs X-Band
Damping Rings
Injection Linacs S&L Band
Beam Delivery

Global Systems
Controls Architecture
Timing System
Protection Systems PPS – BCS - MPS
Cable Plant & Racks

Instrumentation Systems
Tunnel Electronics Enclosures -TEEs
Beam Position Monitors - BPMs
Low Level RF LLRF
Movers Magnets & Structures
Vacuum I&C Pumps – Valves - Gauges
Temperature Monitoring