Eos High Voltage Knowledgebase

ELECTRICAL, TRANSMISSION & DISTRIBUTION COST ESTIMATING KNOWLEDGEBASE

Designed for use with Sage Estimating, the Eos High Voltage Knowledgebase supports construction cost estimating for utilities, owners, design engineers, and contractors in the areas of electrical transmission and distribution, and industrial electrical systems. It includes coverages for:

High voltages from 69kV to 765kV

Medium voltages from 1000V to 48kV

Low voltages - 600V

Over 58,724 items provide ample detail for estimating high voltage projects. Numerous assemblies and models in the knowledgebase expedite the takeoff process. The data can be readily adapted to any estimating estimating system.

The knowledgebase supports rapid conceptual estimating of substations and switchyards using visual tools that can produce a complete detailed estimate in less than five minutes.

Like all the knowledgebases developed by Eos Group, the Eos High Voltage Knowledgebase follows Eos's modular design specifications, which means Eos can expand it or merge it with other modular Eos knowledgebases or RS Means knowledgebases without conflicts or renumbering.

TRANSMISSION & DISTRIBUTION LINE WORK COVERAGE

Poles: Wood, steel, concrete, composite, and pole accessories and hardware

Steel lattice structures: Delta or single and double circuit cross-arm pylons

Insulators and hardware, guys and anchors

Bare aluminum conductors from Adams to Zinnia, 6 AWG to 3500 kcmil, ampacity to 2024A

Types: ACSR, ACSR/TW, ACSR/AW, AAAC, ACAR, ACSS, ACSS/TW, ACSS/AW, AAC, AAC/TW, ACCR, ACCR/TW

Covered aluminum and copper wire and cable

Underground conductors and raceway

Static/shield wire with or without optical fiber

Eos Group is a software development and consulting firm providing customized preconstruction solutions to the Architectural, Engineering and Construction industry.
For More Information, go to www.eosgroup.com or info@eosgroup.com.

Eos GROUP

Eos High Voltage Knowledgebase

ELECTRICAL, TRANSMISSION & DISTRIBUTION COST ESTIMATING KNOWLEDGEBASE

SUBSTATION, SWITCHYARD, DISTRIBUTION EQUIPMENT

Transformers, reactors, and voltage regulators

Disconnect switches and circuit switchers

HV circuit breaker types: Air, gas, oil, vacuum

HV capacitors, CCVT, PT, surge arresters, and more

Outdoor bus: Pipe, angle, web, strain, or GIL

Grounding and bonding

Trench duct, duct bank, conduit, power wiring, control wiring

Site work, including clearing, excavation, fencing, paving, foundations, and more

Switchgear: Indoor, outdoor, and GIS

Control and switchgear buildings

Steel structures

Data, control, and communications

SUBSTATION SECURITY & PROTECTION

Concrete unit walls: Cast-in-place, precast, and masonry

Anti-climb steel fence

Barbed wire and razor ribbon for wall and fence tops

Ballistic protection barriers for UL Level 6, 7, and 8

Eos Group is a software development and consulting firm providing customized preconstruction solutions to the Architectural, Engineering and Construction industry.
For more information, go to www.eosgroup.com or info@eosgroup.com.

Eos GROUP