

**Sleater & Co.**

Quote for

Quote No:

# **Sleater & Co.**

**Electrical + Automation Contractors**

Quotation for CHINT

Quotation for

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## 1. Document Details

**1.1 Document Location:**

**1.2 Document Revision Number:**

**1.3 Owner:**

**1.4 Document Reference Number:**

## 2. Project Details

The project proposal is in response to an enquiry received from , . The project will be located at

The project proposal is based upon the details supplied in the Related Documents below.

## 2.1 Related Documentation

[illegible]

### 3. Overview of Project

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### 3. Overview of Project

C:\Users\Admin\Desktop\Test575\Test575\Resources\Logo.png

### 3. Overview of Project

The scope of works section of this document outline Sleater & Co.'s understanding of the work involved. It is based on Related Documentation, two site visits and previous experience of maintaining the Machine.

Any additional work not included in this section will require an approved change order prior to the work being commenced.

#### 3.1 Machine Functions and Layout

Machine Functions	Quantity	Sleater & Co. Deliverables

## 4. Proposed Hardware

## 4.1 Bill of Materials

[illegible]



## 4. Proposed Hardware

### 4.2 PLC Hardware

## 4. Proposed Hardware

### 4.3 SCADA/HMI Software

## 4. Proposed Hardware

### 4.4 Control Panel Design

Control Panel design and fabrications will be carried out at our premises. We shall supply a full drawing Panel manual, general arrangement and schematic diagrams. All designs are subject to full issue control and revision.

All our panels are built and tested to the highest standards including...

- EN60439-1: Low Voltage switch-gear and control gear assemblies
- ET101-2000
- EN60898: Circuit Breakers for over current protection
- Directive 89/336/EEC Electromagnetic compatibility
- EN60204: Safety of Machinery - Electrical Equipment of Machines
- EN6047-1, Low Voltage Switch-gear and Control Gear Part 1 General Rules
- EN60950: Safety of information technology equipment
- EN60529: Degrees of protection provided by enclosures
- EN60742: Isolating transformers and safety isolating transformers
- EN60999: Safety requirements for screw type and screw less type clamping units for electrical copper conductors

## 5. Project Details

## 5.1 Projects Schedule

[illegible]

## 5. Project Details

## 5.2 Project Cost Breakdown

[illegible]

## 5. Project Details

### 5.3 Project Testing Philosophy

Sleater & Co. will complete both FAT and SAT as per the following headings:

- Hardware Installation Verification
- Electrical Earthing/Bonding Verification
- Electrical Sheilding Verification
- Electrical Power Supply Verification
- PLC Digital input Verification
- PLC Digital Output Verification
- PLC Analogue Input Verification
- PLC Analogue Output Verification
- SCADA Alarms Verification
- SCADA Message Verification
- SCADA Screen Navigation

### 5.4 Project Documentation

Sleater & Co. will keep a Working Documentation copy for their records. They will not be updated because of customer modifications unless otherwise requested. There will be a standard charge for such updates, if this service is required.

The document supplied to the customer shall include the following:

- Master copy and backup copies of all source code
- Functional Design Specification (FDS) with intergrated Bill of Materials (BOM)
- Electrical Drawings
- Vendor O & M Manuals
- Calibration Certificates
- Approved Site Acceptance Test document

## 5. Project Details

### 5.5 Project Training Requirements/Courses

## 5. Project Details

### 5.6 Continuing Project Support

- When the system has been accepted Sleater & Co. will provide telephone support by the project engineer responsible for the project for a period up to 2 months. The service will be offered free of charge.
- If a site visit is required, the cost will be borne by the Company
- After a period of 6 months, any telephone support will be charged at standard rates
- Any modifications will be charged at standard rates



## 6. Terms & Conditions

### 6.1 Payment Terms

- The above price is quoted in Euro
- All prices quoted are exclusive of VAT which will be charged at the appropriate rate unless your Company has an Authorised VAT Exemption
- Errors & Omissions Accepted
- Goods remain in the ownership of Sleater & Co. until payment is received in full
- This quotation is valid for 30 days
- Payment is strictly due 30 days from the date of Invoice
- Payment due:
  - 40% with order
  - 30% on sign-off of FDS
  - 20% on sign-off of FAT
  - 10% on sign-off of SAT

## 7. Exceptions, Exclusions & Remarks

- The supplied project schedual assumes that each milestone is completed in a timely manner. Sleater & Co. will commit to achievining the stated phased in the stated duration. If any of the milestones are delayed due to outside influence, Sleater & Co. will not accept extra costs required to expedite any Sleater & Co. phase in order to meet subsequent milstones and prevent overall schedual impact.
- Expedition of any phase, or recover lost time due to the unforeseen, will require an approved change in order prior to execution
- Out of scope items will be approached on a Change Order or Time and Materials (T&M) basis, agreed with the Company project management, prior to execution

## 8. Glossary

Term	Meaning
FDS	Functional Design Specifications
OAT	Operational Acceptance Test
FAT	Factory Acceptance Test
SAT	Site Acceptance Test
IFC	Issue for Construction
PLC	Programmable Logic Controller
SCADA	Supervisory, Control and Data Acquisition
O&M	Operation and Maintenance