



**JC ECKARDT GmbH**

solutions for your industry.

**references chemistry**



JC ECKARDT GmbH

solutions for your industry.

## TICONA

Customer: Dornan Engineering Germany Ltd.  
Site: Frankfurt am Main, Germany  
Duration: 01/2010 – 06/2011  
Manpower: 160  
Hours worked: 180.000



### Scope of work:

- 10.000 connections (E & I)
- 40.000 m cable tray
- 140.000 m electric cable
- 200.000 m instrument cable
- 3.000 Hook-Ups installed
- 3.000 lights installed

## TICONA

Customer: Ticona GmbH / Zoth GmbH & Co.KG  
 Site: Frankfurt am Main, Germany  
 Duration: 06/2011 – 08/2012  
 Manpower: 50  
 Hours worked: 33.500



### Scope of work:

- 6.100 connections (E & I)
- 8.000 m cable tray
- 84.000 m elektric cabel
- 96.000 m instrument cabel
- 1.900 Hook-Ups installed
- 6.000 m stainless steel pipe installed
- 1.200 devices installed





JC ECKARDT GmbH

solutions for your industry.

## KURARAY line 6

Customer: Kuraray  
Site: Frankfurt am Main, Germany  
Duration: 2012 –2014  
Manpower: 16  
Hours worked: 23.000



### Scope of work:

- supply & installation of all cable trays
- supply & installation of wiring for instrumentation, electric & electric heat tracing
- Supply & mounting of the instrument piping
- Assembly of the entire plant illumination, Loop Check

## BAS 500 F III

Customer: BASF Schwarzheide GmbH  
Site: Schwarzheide, Germany  
Duration: 2013 – 2014  
Manpower: 55  
Hours worked: 98.000



### Scope of work:

- 7.500 connections (E & I)
- mounting of cable trays
- 175.000 m elektric cable
- 200.000 m instrument cabel
- 700 lights installed
- loop check, pre commissioning, documentation

## SASOL M1 / CCE

Customer: Sasol  
Site: Brunsbüttel, Germany  
Duration: 2014  
Manpower: 58  
Hours worked: 45.000



### Scope of work:

- 1.500 connections (E & I)
- 9.900 m cable tray & AZ-channel mounting
- 65.000 m electric cable
- 93.000 m instrument cable
- 26.000 Kg supports mounted
- 7.500 m copper tube installed



## Electroplating plant

Customer: Metallveredelung HUBER GmbH  
Site: Kufstein, Austria  
Duration: 01/2016 – 03/2016  
Manpower: 5  
Hours worked: 3.000



### Scope of work:

- Renewal DCS galvanic system G2 up to Siemens S7 with PROFINET incl. supply and installation of the system cabinets
- Conversion of conveyor technology
- Installation Siemens IWLAN with RCoax
- Consulting, comissioning support
- As-build documentation

## Revamp Modul 2 precipitation of lignin

Customer: Weber Rohrleitungsbau / Fraunhofer CBP Leuna  
Site: Leuna, Germany  
Duration: 04/2017 – 08/2017  
Manpower: 2  
Hours worked: 1.050

### Scope of work:

- Modification of the research module for lignin precipitation
- Delivery mounting material
- Extension of the EMSR-System
- Installation of FTIR-Measurement
- Support in commissioning
- As-build documentation





**JC ECKARDT GmbH**

solutions for your industry.

**references oil & gas**

## ASU 11

Customer: Linde AG  
Site: Duisburg, Germany  
Duration: 05/2011 – 09/2011  
Manpower: 33  
Hours worked: 18.000



### Scope of work:

- 26.000 m electric cable
- 30.000 m instrument cable
- 1.870 m protective tube
- 709 measurement points
- 1.850 m cable trays
- 810 electrical connections
- 700 instrument connections
- 5.300 m stainless steel tube (1.050 connections)

## Gas Compressor Station ME 3 & ME 4

Customer: Siemens Duisburg / Lincoln GB / Weber  
Site: Werne, Germany  
Duration: 2011 – 2012  
Manpower: 6  
Hours worked: 5.500



### Scope of work:

- 5.000 m electric cable
- 7.000 m instrument cable
- Assembly according to british standard
- 50 measurements installed
- 500 m cable trays
- Placing of control cabinets
- Installation of junction boxes

## ASU

Customer: Linde AG  
Baustelle: Motherwell, Scotland  
Duration: 06/2012 – 08/2012  
Manpower: 15  
Hours worked: 5.000

### Scope of work:

- 3.700 m electric cable
- 4.600 m instrument cable
- 220 installed measuring points
- 320 m cable tray
- 225 electric connections
- 185 instrument connections
- 900 m stainless steel pipe (250 Connections)





**JC ECKARDT GmbH**

solutions for your industry.

## ASU

Customer: Linde AG  
Site: Reghaia, Algeria  
Duration: 10/2012 – 01/2013  
Manpower: 15  
Hours worked: 5.000



### **Scope of work:**

- 3.700 m electric cable
- 4.600 m instrument cable
- 220 installed measuring points
- 320 m cable tray
- 225 electric connections
- 185 instrument connections
- 900 m stainless steel pipe (250 connections)

## Butadiene plant extension

Customer: Linde AG  
Site: Wesseling, Germany  
Duration: 11/2012 – 06/2013  
Manpower: Assembly: 25 / Shutdown: 46  
Hours worked: 30.000



### Scope of work:

- 12.800 m electric cable
- 15.200 m instrument cable
- 300 installed measuring points
- 3.200 m cable tray
- 330 electric connections
- 420 instrument connections
- 800 m stainless steel pipe



**JC ECKARDT GmbH**

solutions for your industry.

## **ASU 1510 AXTB**

Customer: Linde Engineering AG / Linde Gas CZ  
Baustelle: Trinec, Czech Republic  
Duration: 01/2014 – 06/2016  
Manpower: 36  
Hours worked: 40.100



### **Scope of work:**

- 28.000 m electric cable
- 30.000 m instrument cable
- 9.000 m electric heat tracing
- 220 installed measuring points
- Delivery, Assembly of all cable tray systems
- 3.200 m stainless steel pipe and tubes
- Installation of the lighting
- Loop Check, AS-Built, Pre Commissioning



JC ECKARDT GmbH

solutions for your industry.

## ASU

Customer: Linde AG  
Site: Stenungsund, Sweden  
Duration: 01/2014 – 03/2015  
Manpower: 14  
Hours worked: 7.300



### Scope of work:

- Gas detection system
- Earthing
- 12.800m cable tray
- 560 m fibre optic cable
- 680 m stainless steel pipe
- 5.900 m electric cable
- 7.800 m instrument cable



**JC ECKARDT GmbH**

solutions for your industry.

## **Ethane Tank Noretyl / Ineos**

Customer: TGE Gas Engineering  
Site: Rafnes, Norway  
Duration: 03/2014 – 11/2014  
Manpower: 17  
Hours worked: 10.700

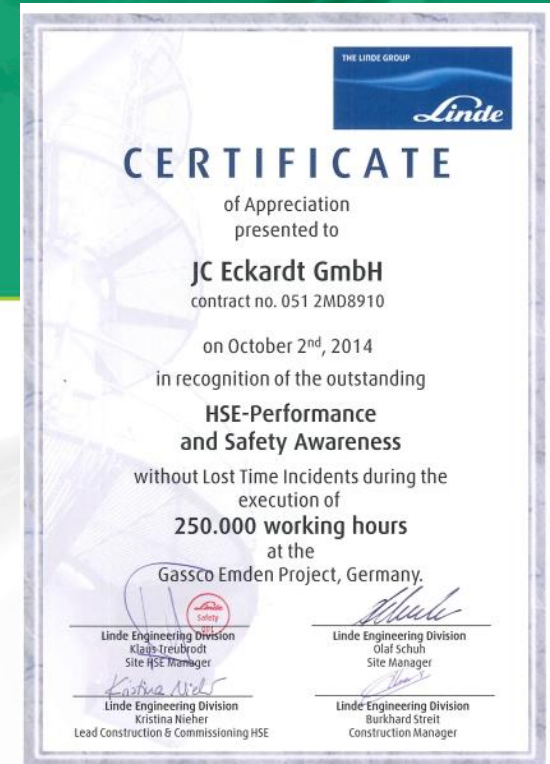


### **Scope of work:**

- 1600 electrical connections
- 900 instrument connections
- 460 installed measuring points
- 20 air manifolds
- Lighting protection
- 15.700 m electric cable
- 7.200 m instrument cable

## Gas Terminal

Customer: Linde Engineering Dresden GmbH / Gassco  
 Site: Dornum / Emden, Germany  
 Duration: 03/2014 – 06/2016  
 Manpower: 38                      135  
 Hours worked: 21.800        181.00



### Scope of work:

- 25.000 m electric cable
- 29.000 m instrument cable
- 6.000 m fibre optic cable,
- 1.350 E & I Connections, 120 Lamps
- 25.200 m Cable Tray System
- 1.300 m Earthing & Lighting Protection
- 150 Cabinets & 68 Junction Boxes
- Loop Check, AS-Built, Pre Commissioning

## H2-Plant

Customer: Air Liquide  
 Site: Ludwigshafen, Germany  
 Duration: 2015  
 Manpower: 40  
 Hours worked: 89.604



### Scope of work:

- 7.400 electrical connections
- 3.300 instrument connections
- 620 installed measuring points
- 12.800 m cable tray
- 57 air manifolds
- 4000 m fibre optic cable
- 14.300 m electric heat tracing
- 10.100 m stainless steel tubing



**JC ECKARDT GmbH**

solutions for your industry.

## PPC Electrolysis

Customer: PPC  
Site: Thann, France  
Duration: 2015  
Manpower: 22  
Hours worked: 17.000



### **Scope of work:**

- 1.400 electric connections
- 400 instrument connections
- 600 measuring points installed
- 2.700m cable tray
- 15 air manifolds
- 2150m stainless steel tubing
- As-built-documentation
- 52.000m Cable (electric & instrument)

## HCl-Plant

Customer: Thyssen Krupp Uhde  
Site: Ludwigshafen, Germany  
Duration: 2015  
Manpower: 87  
Hours worked: 100.600



### Scope of work:

- ICAPS-documentation
- 3.000 instrument connections
- 650 installed measuring points
- 11.900 m cable tray
- 50 air manifolds
- 4900m fibre optic cable
- Electric heat tracing
- Stainless steel tubing

## Ethane Tank Borealis

Customer: TGE Gas Engineering GmbH  
Site: Stenungsund, Sweden  
Duration: 10/2015 – 08/2016  
Manpower: 18  
Hours worked: 11.200



### Scope of work:

- 1700 electrical connections
- 950 instrument connections
- 480 installed measuring points
- 20 air manifolds
- Lighting protection
- 16.000 m electric cable
- 7.500 m instrument cable

## ASU

Customer: Linde AG  
Site: Eisenhüttenstadt, Germany  
Duration: 2016  
Manpower: 30  
Hours worked: 20.900



### Scope of work:

- 18.300 m electric cable layed
- 52.200 m instrument cable layed
- 4.940 m cable trays installed
- 23 manifolds and 120 lights installed
- 8 cabinets, 195 junctin boxes installed
- 945 E-connections / 2.028 I-connections
- 520 m electric heat tracing
- 980 loops checked



**JC ECKARDT GmbH**

solutions for your industry.

**references energy**



JC ECKARDT GmbH

solutions for your industry.

## Incineration plant

Customer: Areva / Uniper  
Site: Delfzijl, Netherlands  
Duration: 2009 – 2010  
Manpower: 50  
Hours worked: 29.000



### Scope of work:

- 86.000 m electric cable
- 90.000 m non-halogen instrument cable
- 2.000 electric connections
- 900 instrument connections
- 2.800 m piping
- 3.000 m 630mm<sup>2</sup> layed an 96 10kV connections

## Coal-fired power plant

Customer: Hitachi Power Europe GmbH  
Site: Wilhelmshaven, Germany  
Duration: 2010 – 2014  
Manpower: 42  
Hours worked: 50.000



### Scope of work:

- 74.000 m electric cable
- 91.000 m instrument cable
- 5.300 electric connections
- 6.500 instrument connections
- 5.200 m stainless steel tube (incl. welding)
- 18.000 m piping
- Installation of provided temperature measuring devices

## Coal-fired power plant Tractebel

Customer: Cofely Fabricom sa Belgium  
Site: Wilhelmshaven, Germany  
Duration: 2010 – 2014  
Manpower: 60  
Hours worked: 228.000



### Scope of work:

- 220.000 m cable installed
- 5.500 m earthing rope installed
- 69.700 Connections
- 31.000 m cable tray
- Installing, connection, logging of the 12/20kV- & 18/30kV-stations
- Installation VESDA RWA (4.500 m pipe)
- 4.200 lights installed

## Coal-fired power plant

Customer: Hitachi Power Europe GmbH  
Site: Datteln, Germany  
Duration: 06/2010 – 12/2012  
Manpower: 15  
Hours worked: 10.000



### Scope of work:

- 12.000 m electric cable
- 15.000 m instrument cable
- 2.200 electric connections
- 2.600 instrument connections
- 5.100 m cable tray
- Installation of provided temperature measuring devices
- Installation of all cabinets

## Coal-fired power plant Gaisburg / Münster

Customer: Siemens AG  
Site: Stuttgart, Germany  
Duration: 2011  
Manpower: 6  
Hours worked: 4.500



### Scope of work:

- Laying, connection, testin 6kV cable
- Exchange process logic control
- E & I Kabel layed and installed
- Fibre optic cable layed and installed
- Exchange field devices
- Installing of cable tray systems



JC ECKARDT GmbH

solutions for your industry.

## Coal-fired power plant MPP-3

Customer: Hitachi Power Europe GmbH  
Baustelle: Maasvlakte, Netherlands  
Duration: 02/2012 – 09/2013  
Manpower: 41  
Hours worked: 10.000



### Scope of work:

- 9.500 m electric cable
- 40.000 m instrument cable
- 850 electric connections
- 24 connections medium voltage
- 2.900 instrument connections
- Installation of 13 cabinets
- Installation of 500 junction boxes
- 6.000 m secondary cable trays

## GUD-Kraftwerk

Customer: Siemens AG  
Site: Hürth Knapsack, Germany  
Duration: 06/2012 – 2013  
Manpower: 65  
Hours worked: 60.000



### Scope of work:

- Installation & final assembly transformer
- General switch installation
- Put up power control centers
- Installation of the PLS-cabinets
- Installation of the battery unit (UPS)
- Mounting of all cable tray systems
- Laying of medium voltage and low voltage cable



**JC ECKARDT GmbH**

solutions for your industry.

## Fuel gas cleaning plant

Customer: Andritz / BASF  
Site: Ludwigshafen, Germany  
Duration: 09/2012 – 03/2013  
Manpower: 18  
Hours worked: 8.500



### Scope of work:

- 450 electric connections
- 750 instrument connections
- 3.450 installed measuring devices
- 4.200 m cable tray
- 100 electric devices up to 1kV
- 26 MCC-cabinets

## Exchange DLC Hydroelectric power station

Customer: Andritz Hydro GmbH / Österreichisch-Bayerische Kraftwerke AG  
Site: Vienna, Austria  
Duration: 10/2015 – 02/2017  
Manpower: 3  
Hours worked: 6.300



### Scope of work:

- Reassembly transformer 10,5kV / 450V
- 27.500 m cables
- 210 m cable trays
- 1.140 cable connections
- Dismantling process control
- Exchange sensors for Turbine measuring
- Fire protection
- External plant modification (Level system)



**JC ECKARDT GmbH**

solutions for your industry.

**references surface minig**



**JC ECKARDT GmbH**

solutions for your industry.

## Excavator

Customer: Siemens / BSW Rheinbraun  
Site: Garzweiler, Germany  
Duration: 2013 – 2014  
Manpower: 37  
Hours worked: 32.000



### Scope of work:

- Disassembly & re-installation
- 100 cabinets
- 650 electric devices
- 1.200m cable tray
- 63.000 m cable
- 3050 cable connections medium voltage / low voltage



**JC ECKARDT GmbH**

solutions for your industry.

**references shutdown**

## Shutdown Total Raffinerie Mitteldeutschland

Customer: Total Raffinerie Mitteldeutschland GmbH  
 Site: Leuna, Germany  
 Duration: 05/2014 – 07/2014  
 Manpower: 35  
 Hours worked: 11.700



### Scope of work:

- Preparation of Roser-maps
- Revision und repair of control valves and various MSR-devices
- Loop check
- Pre commissioning
- Documentation

## Shutdown Powerstation 1

Customer: Evonik  
Site: Marl, Germany  
Duration: 2015  
Manpower: 34  
Hours worked: 20.400



### Scope of work:

- Migration of power plant 1 Block 5
- 28.500m cable (electric & instrument)
- Converting, testing, commissioning of 60 Auma-drives
- Exchange emission measuring
- Transmission of 1.400 measuring points to the new logic control center
- exchange of 1.900 internal cable wirings



**JC ECKARDT GmbH**

solutions for your industry.

**service & maintenance**



**JC ECKARDT GmbH**

solutions for your industry.

## Framework contract

Customer: BASF AG  
Site: Ludwigshafen, Germany  
Duration: 1952 - today  
Manpower: 100  
Working hours pa: 195.000



### Scope of work:

- EMSR installation, service, maintenance
- Consulting, engineering, reengineering
- Systemexpansions & renewing
- Plant-revisions & Shutdown
- Periodcal testing & quality control
- Medium voltage works
- Ressource management
- Analytic measurement technology

## Framework contract

Customer: Ineos GmbH  
Site: Köln Worringen, Germany  
Duration: 1962 - today  
Manpower: 70  
Hours worked pa: 152.000



### Scope of work:

- EMSR installation, service, maintenance
- Consulting, engineering, reengineering
- Systemexpansions & renewing
- Plant-revisions & Shutdown
- Periodcal testing & quality control
- Commisioning
- Ressource management
- Documentation



**JC ECKARDT GmbH**

solutions for your industry.

## Framework contract

Customer: Industriepark Höchst  
Site: Frankfurt am Main, Germany  
Duration: 3 Years  
Manpower: 40  
Hours worked pa: 70.000



### Scope of work:

- EMSR installation, service, maintenance
- Consulting, engineering, reengineering
- Systemexpansions & renewing
- Plant-revisions & Shutdown
- Periodcal testing & quality control
- Medium voltage works
- As Built Documentation, Comissioning
- Lighting installations (EIB / KNX)

## Framework contract

Customer: Evonik AG  
 Site: Marl, Germany  
 Duration: 4 Years  
 Manpower: 90  
 Hours worked pa: 159.000



## Partner-Award 2016



Platz 3

Firma JC Eckardt GmbH,  
NL Dorsten

für eine vorbildliche Sicherheitsleistung  
am Standort Marl der Evonik Industries AG

Hiermit verleihen wir der Firma JC Eckardt GmbH, NL Dorsten für die hervorragende Sicherheitsperformance im Jahr 2016 die Urkunde zu unserem Partner-Award. Beurteilt wurden Zusammenarbeit und Ausführung der Arbeiten unter dem Aspekt der Sicherheit. Wir freuen uns, auch weiterhin sicher mit Ihnen zu arbeiten.

Marl, 18.01.2017

*[Signature]*  
 Standortleiter  
*[Signature]*  
 Leiter Technischer Service  
*[Signature]*  
 Leiter Arbeitssicherheit  
*[Signature]*  
 FF-Management-Beauftragter

Evonik Technology & Infrastructure GmbH  
 Grottelstraße 100  
 45327 Essen



## Scope of work:

- EMSR installation, service, maintenance
- Consulting, engineering, reengineering
- Systemexpansions & renewing
- Plant-revisions & Shutdown
- Periodcal testing & quality control
- Medium voltage works
- As Built Documentation, Comissioning
- Analytic measurement technology

## Framework contract

Customer: Sasol Germany  
Site: Brunsbüttel, Germany  
Duration: 2014 - today  
Manpower: 5 - 10  
Hours worked pa: 13.000



### Scope of work:

- EMSR installation, service, maintenance
- Consulting, engineering, reengineering
- Systemexpansions & renewing
- Plant-revisions & Shutdown
- Periodcal testing & quality control

## Framework contract

Customer: Sasol Germany  
Site: Marl, Deutschland  
Duration: 2015 - heute  
Manpower: 5 - 10  
Hours worked pa: 13.000



### Scope of work:

- EMSR installation, service, maintenance
- Consulting, engineering, reengineering
- Systemexpansions & renewing
- Plant-revisions & Shutdown
- Periodcal testing & quality control
- Medium voltage works
- As Built Documentation, Comissioning

## Framework contract

Customer: Bayer / DOW / Lanxess / HiBis GmbH/ Heraeus Quarzglas GmbH & Co. KG  
Site: Bitterfeld, Deutschland  
Duration: 2006 - today  
Manpower: 10 - 15  
Hours worked pa: 32.000



### Scope of work:

- EMSR installation, service, maintenance
- Consulting, engineering, reengineering
- Systemexpansions & renewing
- Plant-revisions & Shutdown
- Periodcal testing & quality control
- Medium voltage works
- As Built Documentation, Comissioning



**JC ECKARDT GmbH**

solutions for your industry.

**references paper**

## Paper machine

Customer: Papierfabrik Rieger GmbH  
Site: Trostberg, Germany  
Duration: 2008 - 2010  
Manpower: 10  
Hours worked: 3.000



### Scope of work:

- Exchange DCS – Honeywell Measurex Vision with Siemens PCS7SW – & HW-Engineering of 600 I/O's with PCS7 and WSCAD
- Creation of SW-Typicals
- Supply and connection of I/O cabinets and I/O-boxes, cable tray installation
- Installation fibre optic ring
- Loop-Check, Commissioning

## Paper machine

Customer: Felix Schöller Spezialpapiere  
Site: Osnabrück, Germany  
Duration: 2009 - 2010  
Manpower: 65  
Hours worked: 35.000



### Scope of work:

- Disassembly unused cable tray systems
- Installation of secondary cable routings
- Cable supply, -installation and -connection
- Installation of measuring devices & impulse tubes
- Revision of wire sizes
- Installation fibre optic system for the DCS
- Functional test with as-built documentation



**JC ECKARDT GmbH**

solutions for your industry.

**references cleanroom**

## KAUST King Abdullah University of Science and Technology

Customer: Kinetics / Kaust  
Site: Saudi Arabia  
Duration: 2011 - 2012  
Manpower: 26  
Hours worked: 35.000



### Scope of work:

- E/MSR-installation works in cleanroom conditions
- 38.000 m electric and instrument cable
- 730 instrument connections
- 2.600 m cable tray system installed
- 650 installed measuring points
- Installation of all racks and cabinets

## EMCE-project

Customer: Kinetics / Kaust  
Site: Ludwigshafen, Germany  
Duration: 2007 - 2008  
Manpower: 43  
Hours worked: 24.000



### Scope of work:

- E/MSR-installation works in cleanroom conditions
- 69.000 m electric and instrument cable
- 18.000 m cable protection tube installed
- Devices installed and connected
- Installation of all racks and cabinets

## Lantus

Customer: Linde AG / Aventis  
Site: Frankfurt am Main, Germany  
Duration: 2001 - 2002  
Manpower: 93  
Hours worked: 75.000



### Scope of work:

- E/MSR-installation works in cleanroom conditions
- 84.000 m electric and instrument cable
- 1.030 instrument connections
- 4.700 m cable tray system
- 1.360 installed measuring points
- Installation of all racks and cabinets