

- 2019-2020 **Valmet Technplogies / M.J.WEIG GmbH  
(Mayen Germany)**  
Supervisor for WEIG karton K5 Project BFB waste to energy boiler instrumentation. Commissioning and Start up works.
- 2019 **Valmet Technologies / Ørsted A/S  
(Kalundborg Denmark)**  
Supervisor for AVS6BIO project BFB bio mass boiler instrumentation installation. Commissioning and Start up works.
- 2018-2019 **Valmet Technologies / Mondi Steti  
(Steti Czech republic)**  
Supervisor for Ecoflex 2018 project recovery boiler instrumentation installation. Commissioning and Start up works.
- 2018 **Valmet Technologies / The Navigator company  
(Figueira da Foz Portugal)**  
Supervisor for Navi NCG project instrumentation installation. Commissioning and Start up works.
- 2017 **Valmet Technologies / Mondi Stambolijski  
(Stambolijski Bulgaria)**  
Supervisor for Turpentine collecting project instrumentation installation. Commissioning and Start up works.
- 2016-2017 **Valmet Technologies / Metsä Fibre Bio product mill  
(Äänekoski Finland)**  
Supervisor for Recovery boiler instrumentation installation. Commissioning and Start up works.
- 2015-2016 **Valmet Technologies / Raahen voima/ SSAB  
(Raahen Finland)**  
Supervisor for Blast furnace- / coke gas fired boiler E&I installation, Commission and start up works
- 2014-2015 **Valmet Technologies / Vimmerby Energi&Miljö  
(Vimmerby Sweden)**  
Supervisor for CHP biomass power plant instrumentation installation, Commission and start up works
- 2014 **Valmet Power Oy / Eneco bio golden raand  
Delfzijl Netherlands**  
Maintenance shutdown.  
**Valmet Power Oy / Oji paper Nantong China**  
Commission and start up works of Recovery boiler.  
**Valmet Power Oy / Markinch Biomass CHP Project Glenrothes UK**  
Commission and start up works of CHP biomass power plant.  
**Valmet Power Oy / PGE Elektrowni Szczecin Poland**  
MCC modifications and automatic change over system testing.
- 2013 **Metso Power Oy / Eneco bio golden raand  
(Delfzijl Netherlands)**  
Commission and start up works of CFB power plant.  
**Metso Power Oy / Fortum Jelgava  
(Jelgava Latvia)**

- Supervisor for BFB biomass boiler instrumentation installation,  
Commission and start up works
- 2012-2013      **MWPower /Valio Oy  
(Lapinlahti Finland)**  
Installation supervisor and commissioning of biomass power plant.
- 2012            **MWPower / Affärsverken  
(Karlskrona Sweden)**  
Commission and start up works of biomass CHP power plant.  
**MWPower / Graanul invest  
(Laukalne, Tõrva Estonia/Latvia)**  
Installation supervisor and commissioning of two biomass power plant.
- 2011            **Metso Power Oy / SAICA paper  
(Zaragoza Spain)**  
Supervisor for CFB boiler instrumentation installation.  
Commission and start up work's
- 2010            **Metso Power Oy / Stora Enso  
(Ostroleka Poland)**  
Supervisor for CFB boiler instrumentation and electrification installation.  
Commission and start up work's
- 2009            **Sweco Industry Oy / Keravan lämpövoima Oy**  
Supervisor for CHP Power Plant instrumentation installation and Commission  
work's.
- 2008            **Metso Power Oy / AS Fortum Tartu**  
Supervisor for BFB boiler instrumentation and electrification installation.  
**Metso Power Oy. / REC08 Project**  
Instrumentation and commissioning work's for recovery boiler.
- 2007-2008      **Metso Power Oy / e-on UK Steven Croft wood burning power plant  
(Lockerbie Scotland)**  
Commission and start up works of biomass power plant
- 2006-2007      **Foster Wheeler Energia Oy / SembCorp utilities UK**  
Supervisor for CFB boiler instrumentation installation and start-up work of  
Wilton 10 Biomass CHP Power Plant
- 2006            **Foster Wheeler service (Thailand) Limited / Thai cane paper**  
Technical advisor for CFB boiler instrumentation installation and start-up  
work of new Cogeneration power plant
- 2004-2006      **M-real Oyj / Botnia mill service Kaskinen BCTMP mill**  
Supervisor for instrumentation installation and start-up work of BCTMP mill
- 2003-2004      **Enprima Engineering Ltd / Kispest Cogeneration Power Plant Hungary**  
Instrumentation and start up work for Gas turbine power plant

- 2003 **Kvaerner Power Oy /Järvi-suomen voima Oy Savonlinna**  
Instrumentation and Electrification of CHP power plant.
- 2002-2003 **Foster Wheeler Energia Oy / Elcho CHP project Poland**  
Instrumentation and start up work's for EC Chorzow S.A power plant
- 2002 **Rintekno Oy / Rauma forest chemical Finland**  
Instrumentation of a tall oil fractionation plant
- 2001-2002 **M-real Oyj / Botnia mill service Joutseno BCTMP mill Finland**  
Instrumentation and start-up work's of BCTMP mill
- 2000 **Andriz Ahlsrom Oy Qingdao Haiwang China**  
Instrumentation and start-up work of board machine approaching systems  
And recycling line
- 2000 **ABB Industry pulp and paper / Valmet paper Lachendorf, Germany**  
Electrification for Drevsen papier PM5
- 2000 **Foster Wheeler Energia Oy Katowice, Poland**  
Instrumentation for EC Katowice S.A. power plant slurry handling systems
- 1999-2000 **Fortum Engineering Oyj / Kvaerner pulping Tychy, Poland**  
Instrumentation for the EC Tychy S.A. Blok ciepłowniczy BC-35  
Power Plant
- 1999 **Foster Wheeler Energia Oy Jaworzno, Poland**  
Instrumentation, calibration, testing and start up works for the  
Power Plant Jaworzno II
- 1998- **IVO Power engineering Chvaletice, Czech Republic**  
Calibration, testing and start-up work for the Flue gas desulphuration  
Plant of the Cez a.s Elektrarna Power Plants Unit B
- Oy Borealis Polymers Ltd, Sköldvik, Finland**  
Supervisor / Designer, start-up work of the instrumentation of  
The dry end of PE-2
- Outokumpu Engineering Services Oy, Kovdor Russia.**  
Enriching Plant Modernisation Project  
Supervision of the installation of the instrumentation,  
Calibration, testing and start-up work and Supervision off the  
Electrification
- 1997- **IVO Power engineering Chvaletice, Czech Republic**  
Calibration, testing and start-up work for the Flue gas desulphurization  
Plant of the Cez a.s. Elektrarna Power Plants Unit A
- Neste Oy Porvoo Refinery, Finland**  
Supervision for the instrumentation and automation of  
Change-over and conversion lifting-up of Fcc-unit
- 1988-1997 **ABB Installaatiot Oy Paimio, Finland**  
Recognition, receiving and calibrations work for

The instrumentation equipment, trial tests for start-up and  
Inspections for hand over

Stockholm Energi AB, Sweden  
Power Station in Värtan

Badar City, Egypt  
Water treatment plant

Thai Paper Ltd., Thailand  
PB 12 Pyroflow power boiler

IVO Oy, Loviisa Nuclear Power Station Finland  
Revisions for power station

Teollisuuden Voima Oy Olkiluoto Nuclear Power Station Finland  
Revisions for Power Station

Tampella Anjalankoski Finland  
Modernisation of Board Machine

Neste Oy Porvoo Finland  
Extension of PS-Extruder

Outokumpu Oy Tornio Finland  
Extension of HP 2

Outokumpu Oy Harjavalta Finland  
Redevelopment of Smelter

ENOCCELL Oy Uimaharju Finland  
Extension and modernisation of Pulp Mill

Myllykoski Oy Myllykoski Finland  
Modernisation of PM 6

Kotkan Höyryvoima Oy, Mussalo, Finland  
Modernisation of Power Station of Mussalo 1 and 2

Outokumpu Oy, Harjavalta, Finland  
New building and rebuilding of Smelting Plant in  
Ni-reducing Plant

Metsä-Rauma Oy Rauma Finland  
Erection of new Pulp Mill

Metsäerla Oy Kirkniemi Finland  
Erection of PM 3

1988

Hackman-MKT- Erkomat Oy, Kotka, Finland  
Electrician  
Installation work for the electrification of Powder handling equipment's

- 1986-1988                   Kotkan Sähköpaja Oy, Kotka, Finland  
Electrician  
Installation work for the automation in local industry and  
Shipyards
- 1986                         Neste Oy, Porvoo Refinery, Finland  
Electrician  
Maintenance and repair work for the instrumentation
- 1985                         Aupal Oy, Kotka, Finland  
Electrician  
Installation work for the instrumentation