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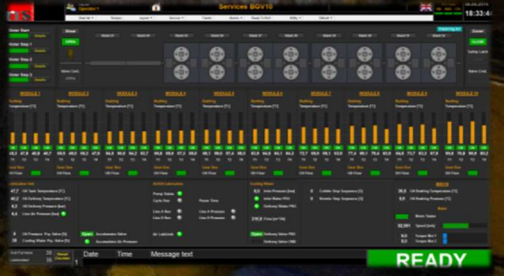

Presentazione

RMS AUTOMATION è una società in grado di fornire soluzioni complete ed altamente specializzate nel settore industriale con particolare riferimento al settore della METALLURGIA e SIDERURGIA. Con l'esperienza maturata dalla parte direzionale di RMS AUTOMATION, che da oltre 18 anni si dedica al settore delle linee di laminazione a caldo, si è in grado di fornire un supporto completo al cliente partendo dallo studio di fattibilità, passando per la realizzazione arrivando fino alla messa in servizio dell'impianto nonché assistenza Post-Vendita.

RMS AUTOMATION mette a disposizione le proprie esperienze maturate in anni di lavoro nel mercato nazionale ed internazionale in modo tale da soddisfare al meglio le esigenze di tale mercato restando al passo con i tempi della tecnologia e fornendo un'innovazione aperta, chiara e facilmente accessibile ai sistemi di controllo.

Grazie a propri tecnici e selezionati collaboratori RMS AUTOMATION è in grado di sviluppare standard elevati in termini di prestazioni e capacità. E' in grado di valutare, proporre e sviluppare piccoli e grandi progetti, che soddisfano le esigenze di ogni Cliente con adeguati sistemi di controllo anche in formula "chiavi in mano".

Presentation

RMS AUTOMATION is a company capable of providing complete solutions and highly specialized in industrial sector with particular reference to the METALLURGY and STEEL INDUSTRY.
With experience matured on the side of management of RMS AUTOMATION, who has over 18 years dedicated to the field lines of the hot rolling mill, we are able to provide full support to the customer beginning from the feasibility study, go through the realization coming up to plant commissioning and post-sales support.

RMS Automation provide its experience matured in years of work in national and international markets in order to best meet the needs of that market, keeping up with the times of technology and innovation by providing open, clear and easily access control systems.

Thanks to its technical and selected staff RMS AUTOMATION is able to develop high standards in terms of performance and capacity, able to evaluate, propose and develop small and great projects, which meet the needs of each customer with appropriate control systems in the formula "turnkey".

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Obiettivi

RMS AUTOMATION è in grado di fornire supporto e competenza tecnica, al fine di studiare assieme al Cliente qualsiasi sua richiesta formulando proposte e proponendo soluzioni con riferimento ad importanti obiettivi come:

- Riduzione dei costi di produzione
- Aumento della produttività
- Riduzione di scarti di lavorazione
- Miglioramento della qualità dei prodotti
- Risparmio energetico
- Massimo riutilizzo di hardware esistente

Targets

RMS AUTOMATION is able to provide technical support and expertise, in order to study any of the requests together with the Customer by formulating proposals and proposing solutions with reference to important objectives such as:

- Reduced production costs
- Increased productivity
- Reduction of scrap
- Improved product quality
- Energy saving
- Maximum reuse of existing hardware











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Servizi

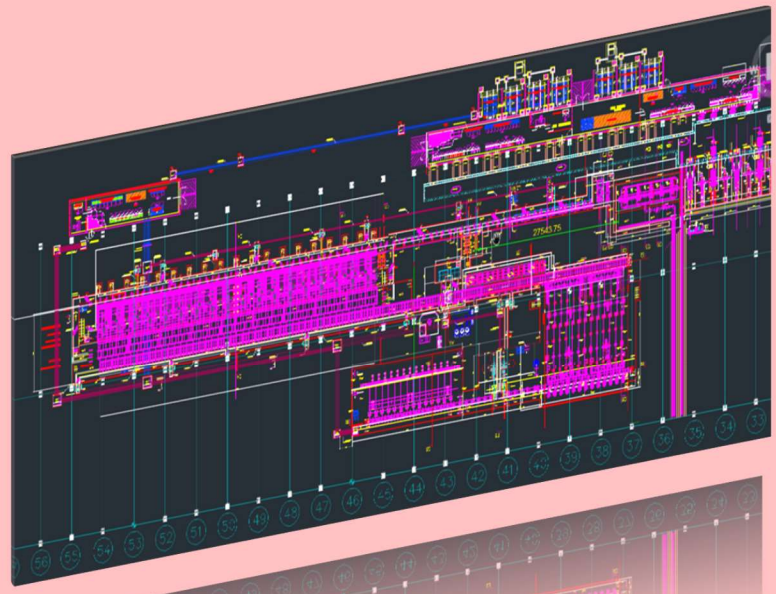
La direzione di RMS AUTOMATION, con oltre 18 anni di esperienza, assieme al proprio staff di tecnici specializzati, permette di sviluppare progetti di automazione completi con PLC e azionamento di motori con moderni controlli digitali, progetti relativi a nuovi impianti «Green Field», progetti con formula «chiavi in mano» così come progetti di «revamping» per ammodernamento di vecchie linee di produzione.
Vengono garantiti anche interventi per ottimizzazione di sistemi esistenti agendo su:

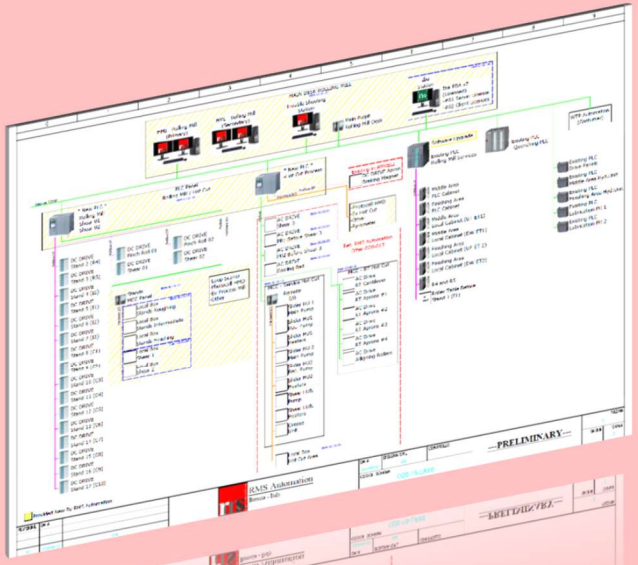
- Controllo velocità motori linea di laminazione
- Controllo ansa
- Area taglio e scarico in placca con sistemi a:
    - Cursori «Classici»
    - Cursori «Intelligenti» (velocità di linea fino a 18 m/sec senza freni magnetici)
    - Canaletta singola o doppia
    - Revolver
- Cesoie rotative, freno frizione e start/stop
- Controllo quenching per tempra
- Area evacuazione e confezzionatura in barre e profili
- Trattamento acque «WTP»
- Consulenza tecnica
- Progettazione A/CAD
- Sviluppo soluzioni layout
- Automazione con PLC di mercato e pacchetti Grafici-Video-controllo HMI scada
- Start-up & servizio post-installazione
- Corsi di formazione personale sia presso il cliente che presso gli uffici RMS AUTOMATION
- Servizio di teleassistenza
- Progettazione e realizzazione di Sistemi Safety certificati

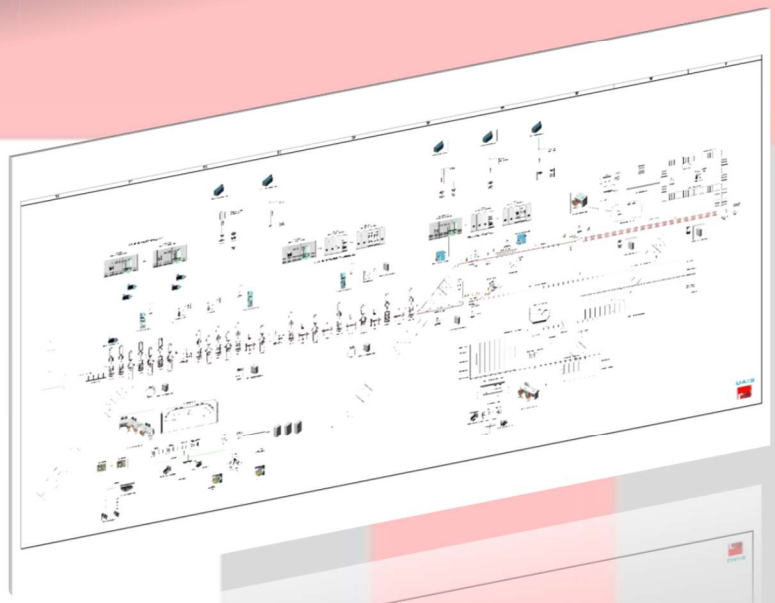
Services

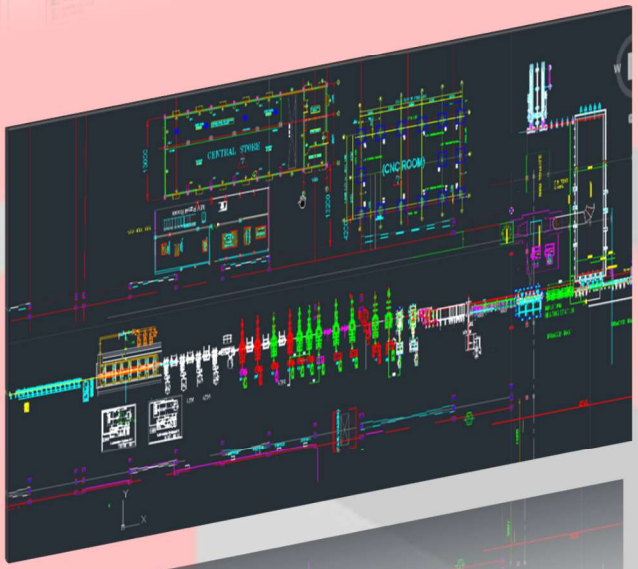
The management of RMS AUTOMATION, with over 18 years of experience, together with its staff of specialized technicians, allows to develop complete automation projects with PLC and motor drive with modern digital controls, projects related to new «Green Field» systems, projects with a «Turnkey» formula as well as «Revamping» projects for the modernization of old production lines.
Interventions for the optimization of existing systems are also guaranteed by acting on:

- Speed control motors rolling line
- Loops Control,
- Hot Cut and discharge to Cooling Bed with system:
    - Cursors/Apron/Sliders «Classic»
    - Cursors/Apron/Sliders «Smart» (max line speed 18 m/sec without magnetic brakes)
    - Single or Double channel
    - Revolver
- Rotary shear, clutch brake, and start/stop
- Quenching control
- Evacuation and packaging areas for bars and profiles
- Water treatment «WTP»
- Technical advice
- Project A/CAD
- Layout Development
- Automation with PLC market packages and Video-Graphic - HMI SCADA control
- Start-up & post-installation service
- Personal training courses both at the customer place and at RMS AUTOMATION offices,
- Remote support service
- Design and implementation of Certified Safety System









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Fornitura

RMS AUTOMATION fornisce tutto ciò che concerne l'automazione Hardware, Software e Messa in Servizio.
Studio di impiantistica linee di distribuzione e rifasamento.
Sviluppo dei disegni tecnici in A/CAD, lay-out, elettrici ed elettronici in ePlan.

Hardware
RMS AUTOMATION si dedica alla progettazione e costruzione di quadri elettrici per:
- PLC (Siemens, Ge-Fanuc, Allen Bradley, ABB, Telemecanique)
- Azionamenti/Inverter ABB, Siemens, Nidec-Ansaldo per motori DC e AC
- Sistemi per Inverter in conformazione Multi-Drive
- Cassette locali per I/O di campo remotati
- Pulpiti di controllo e comando
- Parti di ricambio

Software
RMS AUTOMATION progetta e sviluppa software di automazione per PLC avvalendosi anche di blocchi funzione testati negli anni, ottimizzati ed aggiornati.

Fornisce sistemi HMI/SCADA altrettanto testati ed aggiornati con un occhio di riguardo alle particolari esigenze di ogni singolo cliente.
- Impostazione parametri di lavorazione
- Controllo produzione, tracking system e report
- Allarmi e diagnostica
- Lay-out di rete
- Lay-out di impianto
- Controllo consumi impianto

Supply

RMS AUTOMATION provides everything related to Hardware, Software and Commissioning automation.
Plant engineering for distribution and power factor correction lines.
Development of technical drawings in A /CAD, lay-out, electrical and electronic in ePlan.

Hardware
RMS AUTOMATION is dedicated to the design and construction of electrical panels for:
- PLC (Siemens, Ge-Fanuc, Allen Bradley, ABB, Telemecanique)
- Drives/Inverter ABB, Siemens, Nidec-Ansaldo per motori DC e AC
- System for Inverters in Multidrive configuration
- Local Boxs for remote field I/O
- Control Desk Top
- Spare Parts

Software
RMS AUTOMATION designs and develops automation software for PLC by using of function blocks tested over the years, optimized and updated.

It provides tested and updated HMI / SCADA systems with an eye to the particular needs of each individual customer.
- Settings working parameters
- Production control, tracking system and report
- Alarms and diagnostics
- Net Lay-Out
- Plant Lay-Out
- System consumption control

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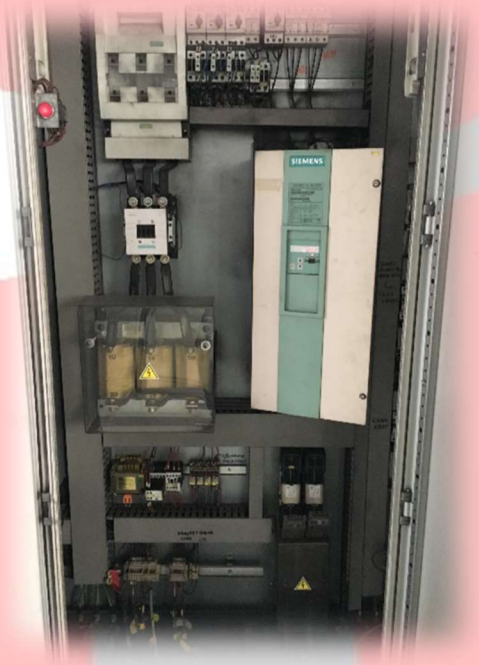





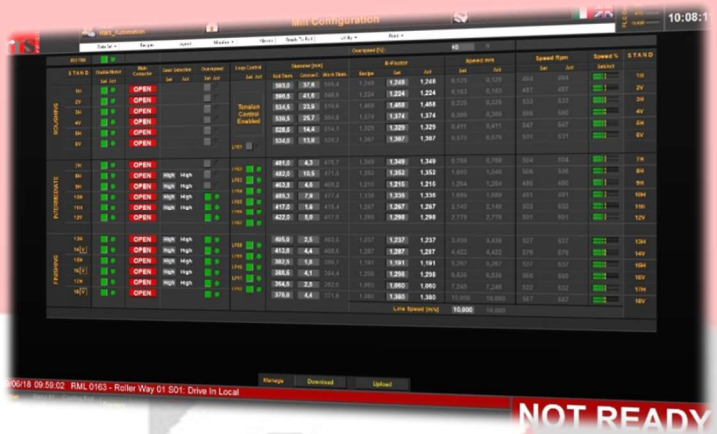

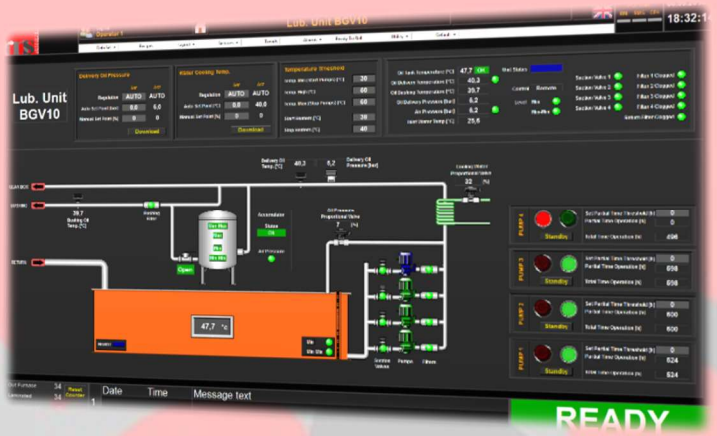

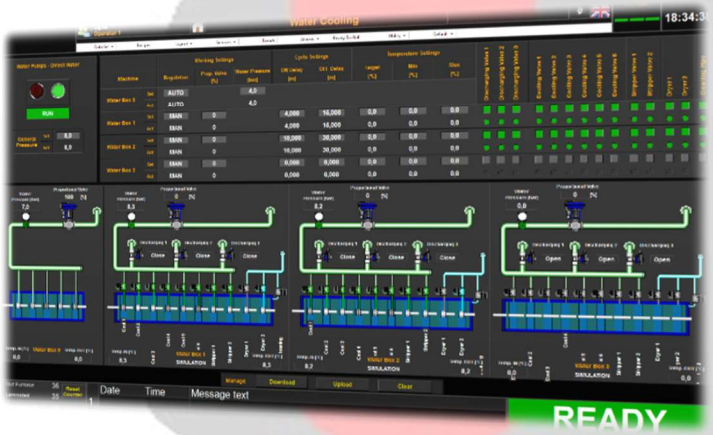



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Referenze

RMS AUTOMATION durante gli anni della sua esperienza ha lavorato direttamente con i clienti finali, ha lavorato presso clienti finali in conto terzi ed ha collaborato a stretto contatto con partner meccanici con alcuni dei quali si presenta ancora oggi come ufficiale fornitore della parte elettrica per interi progetti.
Qui di seguito alcuni progetti svolti:

2010 – Morocco – Hardware, Software and Commissioning for Bars Rolling Mill
2010 – Saudi Arabia - Consulting for Software Bar Rolling mill
2010 – Siria – Software and Commissioning for Bar Rolling mill
2010 – Philippines – Supply and Commissioning DC Drives and PLC Software for Rolling Mill
2011 – Russia – Software and Commissioning PLC and HMI for Rolling Mill
2011 – Romania – Hardware, Software and Commissioning for Stacker Machine
2012 – Philippines - DC Panels, Hardware, Software and Commissioning for Bar Rolling Mill
2012 – Equador – Software and Commissioning PLC and HMI for Rolling Mill
2012 – Kazakistan – Software and Commissioning PLC and HMI for Rolling Mill
2012 – Romania – Software and Commissioning PLC and HMI for Wire Rod Rolling Mill and evacuation area – DC Drives for Stand
2013 – Romania – Software and Commissioning PLC and HMI for Reebar Evacuation Area
2013 – Egitto – Software and Commissioning PLC and HMI rolling Mill
2013 – Mexico – Software and Commissioning PLC, HMI, AC Drives for Wire Rod Rolling Mill and Evacuation Area
2013 – Mexico - Software and Commissioning PLC, HMI, AC Drives for Reebar Rolling Mill and Evacuation Area
2014 – Italy – Hardware, Software and Commissioning PLC and HMI for Reebar Evacuation Area
2014 – Italy – Hardware, Software and Commissioning PLC and HMI for Oven Ejector Machine
2015 – Siria – Software PLC and HMI for Rolling Mill and Evacuation Area
2016 – Mexico – Software and Commissioning PLC and HMI Bender Machine
2016 – Italy – New DC drives panels for Rolling Mill Stands
2016 – Italy – Hardware, Software and Commissioning for revamping production Line Manholes
2017 – Iran – Software and Commissioning PLC and HMI Reebar Rolling Mill and Evacuation Area
2017 – Iran - Software and Commissioning PLC and HMI Wire Rod Rolling Mill and Evacuation Area
2017 – Algeria – Software and Commissioning PLC and HMI Reebar Rolling Mill
2018 – Philippines - Software and Commissioning PLC and HMI Reebar Rolling Mill
2018 – Pakistan – Software and Commissioning PLC Hot Cut Area in Rolling Mill
2018 – Algeria – Hardware, Software for PLC and HMI for Wire Rod Rolling Mill
2018 – Philippines – Commissioning New Hot Cut Start/Stop Shear

References

During its years of experience, RMS AUTOMATION has worked directly with end customers, worked with end customers on behalf of third parties and has worked closely with mechanical partners with some of whom it still presents itself today as the official supplier of the electrical part for entire projects.
Here below are some projects carried out:

2018 – Philippines – Software and Commissioning PLC and HMI Reebar Rolling Mill
2018 – Italy – Hardware, Software and Commissioning PLC for Oven Ejector Machine
2018 – Salvador – Hardware and Software for Braking Magnet
2018 – Philippines – Hardware, Software and Commissioning PLC and HMI Reebar Rolling Mill
2019 – Salvador – AC Drives, Hardware, Software and Commissioning PLC and HMI for Roughing Mill
2019 – Italy – Software and Commissioning PLC and HMI for Revamping Billet Heating Furnace
2019 – Italy – Hardware, Software and Commissioning for automatic Stand Gap control
2019 – Vietnam – Software and Commissioning for Water Treatment Plant
2019 – Spain – Software and Commissioning PLC and HMI for Automatic 3 Axis Crane
2019 – Guatemala – Implementation r-Factor and Pull Control in existing Rolling Mill Software PLC – Supply and Installation Iba-PDA System
2020 – Italy – Hardware, Software and Commissioning for Safety PLC accesses control
2020 – Italy – Hardware, Software and Commissioning for Water plant
2020 – Italy – Hardware and Software for Upgrade PLC and HMI
2020 – Oman – AC Drives, Hardware and Software PLC and HMI for Reebar Rolling Mill and Evacuation Area

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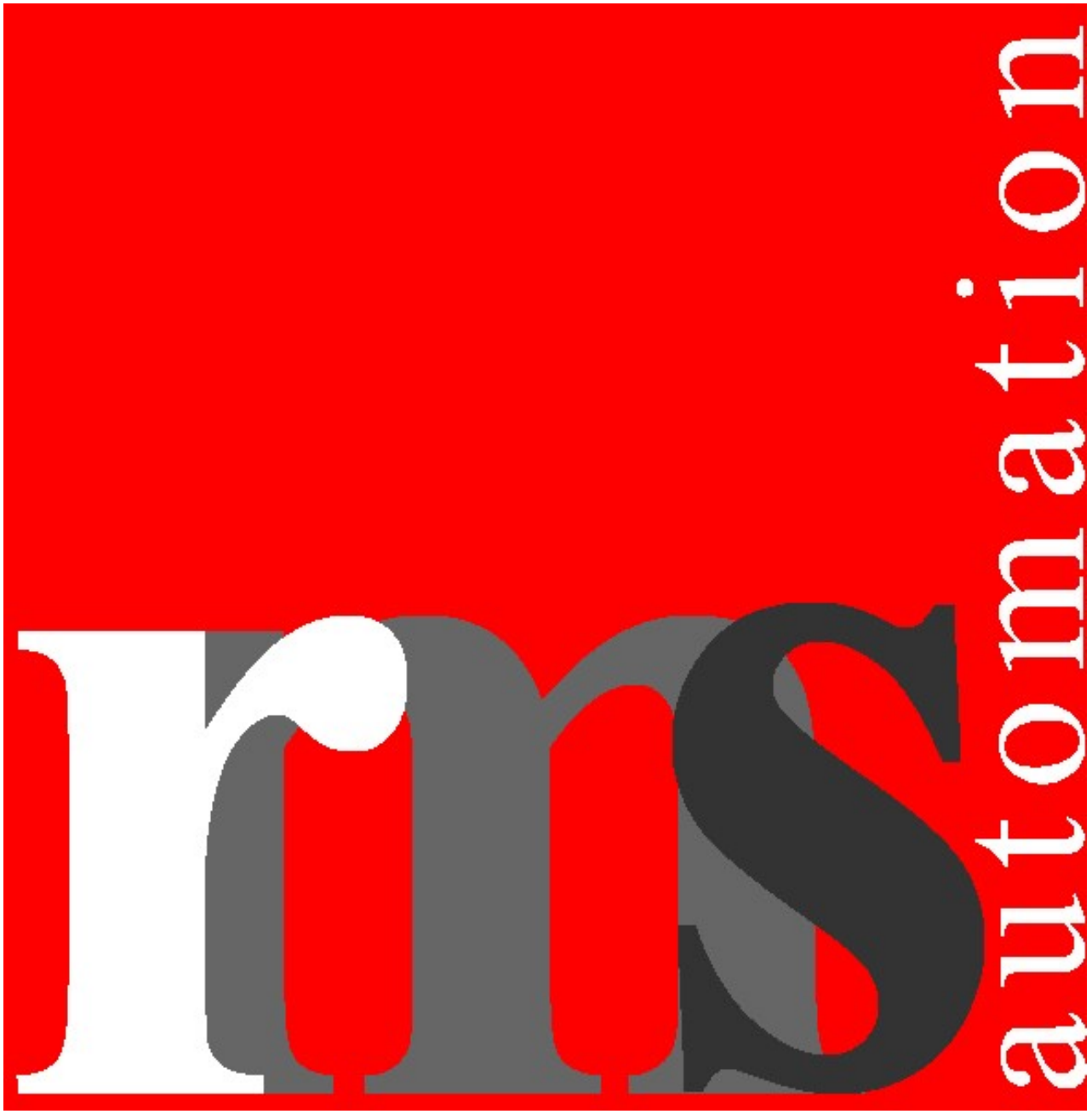

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