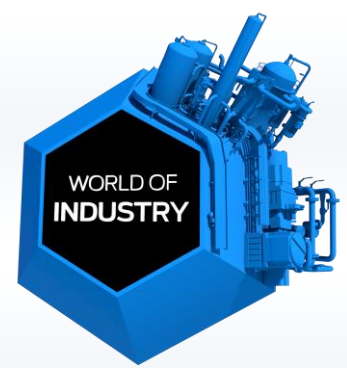


WORLD OF INDUSTRY

EXPOSITIEPROGRAMMA / PRODUCTGROEP



PROCESS AUTOMATION SYSTEMS

Control Systems

DCS; Distributed Control Systems, Process Systems Engineering, Advanced Process Control, SCADA; Supervisory Control And Data Acquisition, PLC; Programmable Logic Controller, MES: Manufacturing Execution Systems, Process Safeguarding Systems, IPC, HMI

Operator Interface Systems

Control Rooms, wireless pads, displays, OTS; Operators Training Simulators

Process Automation Network Systems

HART, Fieldbus, PROFIBUS, PROFINET, ASI, Devicenet, ethernet systems, wireless network systems

Industrial Process Software

Operating systems, database systems, process scheduling systems, modelling systems, engineering systems, PDM; Product/Process Data Management, Datawarehousing, CAD/CAE, business process software, ERP; Enterprises Recourse Planning, SCM, BPM, asset management systems, maintenance systems

Industrial Cyber Security

Industrial System Integration

Energy Management, Plant Asset Management, System Integration Service, system architecture design, system engineering, software application implementation, hardware integration, process optimisation, consultancy

Engineering Software

FIELD INSTRUMENTATION

Flow Meters/Transmitters

Ultrasonic, mass flow, coriolis, magnetic inductive, thermal mass, differential pressure, turbine, float, vortex

Pressure/Differential Pressure Meters/Transmitters

Manometers, tube spring/helical, shell spring, bellows, diaphragm, differential pressure, gas pressure, pressure indicators, seals

Level Meters/Switches

Capacitive, gamma, hydrostatic, radar, ultrasonic, float/displacement, vibration, conductivity

Analytical Instrumentation

Emission, immission, BOD measurement, TOC/TOD measurement, colour, turbidity, pH, oxygen, residual chlorine, gas chromatography, density, conductivity, impedance, ion selective, relative humidity, spectrophotometers, UV/VIS/NIR, viscosity, TDLS

Control Instruments

Control valves (bellows, rotary cone, ball, membrane, needle, knife, butterfly, cone), valve positioners, converters, over-pressure valves, steam control, signal converters, vacuum controllers, safety valves, reducing and solenoid valves cryogenic control equipment, flow/pressure/level/temperature controllers

Handheld Testers

Gas, oxygen, electric, power quality

FACTORY AUTOMATION

SENSORS & MOTION CONTROL

Position Sensors

Linear, rotary, angular, proximity

Accelerometers & Vibration Sensors

Torque, servo, piezo electric, strain gauge

Pressure Sensors

Transducers, piezoresistive

Loadcells

Mechanical, strain gauge, helical, fibre optic, piezoresistive

Color & Object Detection Sensors

Vision sensors, photoelectric sensors

Motion Control Products

Stepper/servo motors/drivers/controllers, actuators & stages, solenoid control electronics, motor feedback systems, power supplies

MECHATRONIC SYSTEMS & SOFTWARE

Vision & Monitoring Systems

Cameras, framegrabbers, data collection

Robotics & Handling Systems

Pick & place, stepper motor systems, gripping systems, conveyor systems, robotics

Automatic Identification Systems

Barcodesystems, RFID systems, transponder systems

Machine Safety Systems

Safety light curtains, programmable safety controllers, safety relays, process safeguarding, safety interlock switches

Industrial Cyber Security

Industrial Vacuum Systems/Clean Air Technology

Pumps, blowers, high vacuum, liquid ring, gas compressors, dry vacuum, side channel blowers, rotary vane, filtersystems, membranetechnology

Weighing & Dosing Systems

Check weighers, (semi)automatic weighers, weighing stations, modules & loadcells, weighing software systems

Man Machine/Machine Machine Interface Systems (MMI)

Displays, keyboards, monitorscreens, speech systems

Networking & Connectivity Systems

IO-Link, CAN bus, PROFIBUS, PROFINET, remote systems, wireless sensor systems, cabling, connectors, optical fiber, ethernet devices

Machine Control Systems

PLC; Programmable Logic Controller, industrial PC's, data acquisition, Fieldbus communication systems

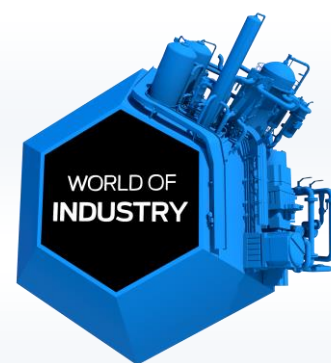
Systems Control

SCADA; Supervisory Control And Data Acquisition, MES; Management Execution Systems

Engineering Software

WORLD OF INDUSTRY

EXPOSITIEPROGRAMMA / PRODUCTGROEP



PLANT ENGINEERING

Apparatenbouw

Drukhoudende apparatuur, drukloze apparatuur

Assetmanagement

Installatie- en machinebouw

Procesapparatuur divers

Absorptie-installaties, afvlumachines, blowers, briketteermachines, condensors, destilleerinstallaties, gasreinen, granuleerinstallaties, hydreerapparaten, hydrofoorinstallaties, impregneerapparaten, kolommen, opslagvaten, paneelbouw, pasteuriseerinstallaties, reactoren, scrubbers, stoomapparatuur, ventilatoren

Proces engineering en contracting

Systeemintegratie

COMPONENTEN, SERVICES EN SYSTEMEN

Afzuigen en ontstoffen

Dienstverlening

Advies en consultancy, certificering, facilitair, loonwerk, opleidingen

Drogen en drogers

Adsorptiedrogers, banddrogers, conische-vacuümdrogers, droogkasten, fluidbeddrogers, hoogfrequentdrogers, kristallisatoren, magnetrondrogers, onderdelen-en-toebehooren, peddeldrogers, pneumatische drogers, schoteldrogers, schroefdrogers, sproei-drogers, trommeldrogers, tuimeldrogers, vriesdrogers, warmte-terugwinning

Industriële reinigingstechniek

Ontvetting, tankreinen, productielijnreinen, Cleaning in place (CIP)

Kleppen, kranen en afsluiters

Afsluiters, armaturen, kleppen, kranen, ventielen

Koelen en verwarmen

Bandkoeler en -verwarmer, containerkoeler en -verwarmer, fluid bed koeler en -verwarmer, infrarood-straler, koelcellen, koelhuizen, magnetron, microgolven, ovens, platenkoeler en -verwarmer, schotelkoeler en -verwarmer, schroefkoeler en -verwarmer, thermische units, trommelkoeler en -verwarmer, ventilatoren met regelapparatuur, warmtewisselaars

Machieveiligheid

Meet- en regeltechniek

Bulkdichtheidmeting, flowmeters, vochtmeting

Mengen, malen, roeren en homogeniseren

Mengen en homogeniseren, molens en maalapparatuur, roerwerken, coating

Milieu, water en recycling

Milieu, persen, recycling, waterbehandeling en -zuivering

Onderhoud

Opslag, overslag en logistiek

(Zee) containers, bigbags, FIBC's, bulkwagenvuller, containers, IBC's, hulpmiddelen en apparatuur, keerwanden, open opslag-/menghoppen, opslagloodsen, silo's/bunkers, storttrechters, tanks, vaten en drums, zakken en zakhandling

Perslucht en vacuümtechniek

Compressoren, perslucht toebehoren, vacuümpompen

Pipelines en appendages

Bochten, buizen en pijpen, compensatoren, fittingen en lenzen, klemmen, ondersteuning en afdichtingen, koppelingen en fittingen, manchetten, multiweg wissels, seals en afdichtingen, slangen, tweeweg wissels

Pompen

Air pumps, balgpompen, centrifugaalpompen, diafragma pompen, dompel- en kloppompen, doseerpompen (membraan), draaizuigerpompen, monopompen, peristaltische pompen, plunjerpompen, propellerpompen, rondselpompen, schoepenpompen, schroefpompen, schroefspindelpompen, tandwiel- en tandradpompen, turbinepompen, vacuümpompen, venturipompen, verdringerpompen, versnijders (maceratoren)

Procesautomatisering

Scheiden, zeven en filteren

Centrifuges, extractie, filters, magneetscheiders, membraamtechnologie, non-ferro scheiders, separatoren, zeven, afzuiging

Transporteurs en transportapparatuur

Bandtransportcomponenten, bandtransporteur, beluchte goot, bulkwagenvuller, elevator, kabelbanen, kettingtransporteur, pneumatisch transport, schijventransporteur, schroeftransporteur, triltransporteur

Verpakkingsoplossingen

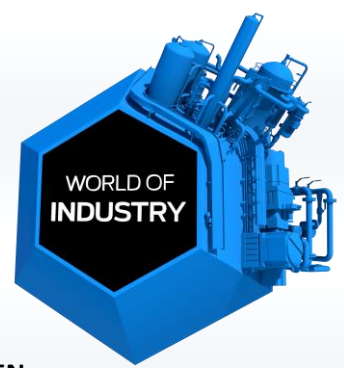
Veiligheid

Brand- en explosiebestendig bouwen, brand- en explosieonderdrukking, brand- en explosiepreventie, explosieontlasting, metingen en analyses, persoonlijke bescherming, richtlijnen en regelgeving

Wegen en doseren

WORLD OF INDUSTRY

EXPOSITIEPROGRAMMA / PRODUCTGROEP



ELEKTRISCHE AANDRIJFSYSTEMEN

Wisselstroommotoren (AC), gelijkstroommotoren (DC), frequentieregelaars, synchrone servomotoren, asynchrone servomotoren, stappenmotoren, torque motoren, high speed motoren, lineaire motoren, piëzo aandrijvingen, gelijkstroomregelaars, softstarters, motion controllers, stappenmotor controllers, explosieveilige aandrijvingen, lineaire actuatoren, solenoids

HYDRAULISCHE AANDRIJFSYSTEMEN

Hydraulische aggregaten, verdeelsystemen, hydraulische cilinders, pompen, hydraulische motoren, filters, accumulatoren, leidingwerk, slangen, componenten, olie management systemen

PNEUMATISCHE AANDRIJFSYSTEMEN

Pneumatische cilinders, ventielen, lineaire cilinders, ventieleilanden, servo-pneumatische systemen, roterende pneumatische aandrijvingen

MECHANISCHE AANDRIJFSYSTEMEN

Koppelingen, remmen, lineaire geleidingen, lagers, kettingen, tandwielen, planetaire reductoren, cycloïde reductoren, koppelingen, flexibele koppelingen, haakse vertragingskasten, remmen, tandwielkasten, motorreductoren, tandheugelsystemen

GEÏNTEGREERDE AANDRIJFOPLOSSINGEN

Gripping systemen, conveyor systemen, productierobots, pick & place systemen, positioneringstages, handlingsystemen, X-Y robots, deltarobots

VACUÛM EN COMPRESSOREN

Compressoren, filters, drogers, vacuümsystemen, vacuümcompressoren

MEET- EN TERUGKOPPELSYSTEMEN

Sensoren, koppelsensoren, piëzo elektrische sensoren, rekstroken, tacho, hoekmeetsystemen, magnetische sensoren, lineaire encoders, meettasters, (incrementele) encoders, accelerometers, bewegingssensoren, benaderingsschakelaars, trillingsdetectoren, resolvers, veiligheidssensoren, lichtschermen

BESTURINGS- EN NETWERKSYSTEMEN

Industriële Computers (IPC), panel PC, Human Machine Interface (HMI), PLC, besturingssoftware, numerieke besturingen (CNC), systemen, IO-Link, voedingen, noodstopssystemen, veiligheidsrelais, veiligheidssystemen, communicatiemodules, Ethernet, EtherCat, Profibus-DP, CAN, CANOpen, DeviceNet