

General Catalog

Committed to moving
our customers'
performance forward





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Valmet in brief

Valmet is the leading global developer and supplier of technologies, automation and services for the pulp, paper and energy industries.

We focus on delivering technology and services globally to industries that use bio-based raw materials. Valmet's vision is to become the global champion in serving its customers, and its mission is to convert renewable resources into sustainable results. Our 12,000 professionals around the world work close to our customers and are committed to moving our customers' performance forward – every day.

Valmet's main customer industries are pulp, paper, and energy. All of these are major global industries that offer growth potential for the future. We will complement our core business by applying our technology and know-how to industries beyond biomass, particularly in the energy sector.

Valmet's services cover everything from maintenance outsourcing to mill and plant improvements and spare parts. The strong technology offering includes pulp mills, tissue, board and paper production lines, as well as power plants for bio-energy production. Valmet's advanced automation solutions range from single measurements to mill wide turnkey automation projects.

The company has over 200 years of industrial history and was reborn through the demerger of the pulp, paper and power businesses from Metso Group in December 2013.

Valmet's head office is in Espoo, Finland and its shares are listed on the Nasdaq Helsinki.



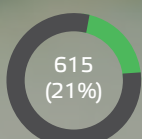
Locations

- Strong global presence close to our customers
- 130 locations in 33 countries



North America

- Large installed base to be served
- Capital project opportunities in pulp, energy, board, and tissue



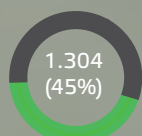
1.367
(11%)



● Valmet location

EMEA

- Large installed base to be served
- Machine closures in printing and writing
- Capital project opportunities in pulp, board, tissue, and bioenergy

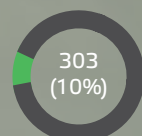


7.747
(63%)



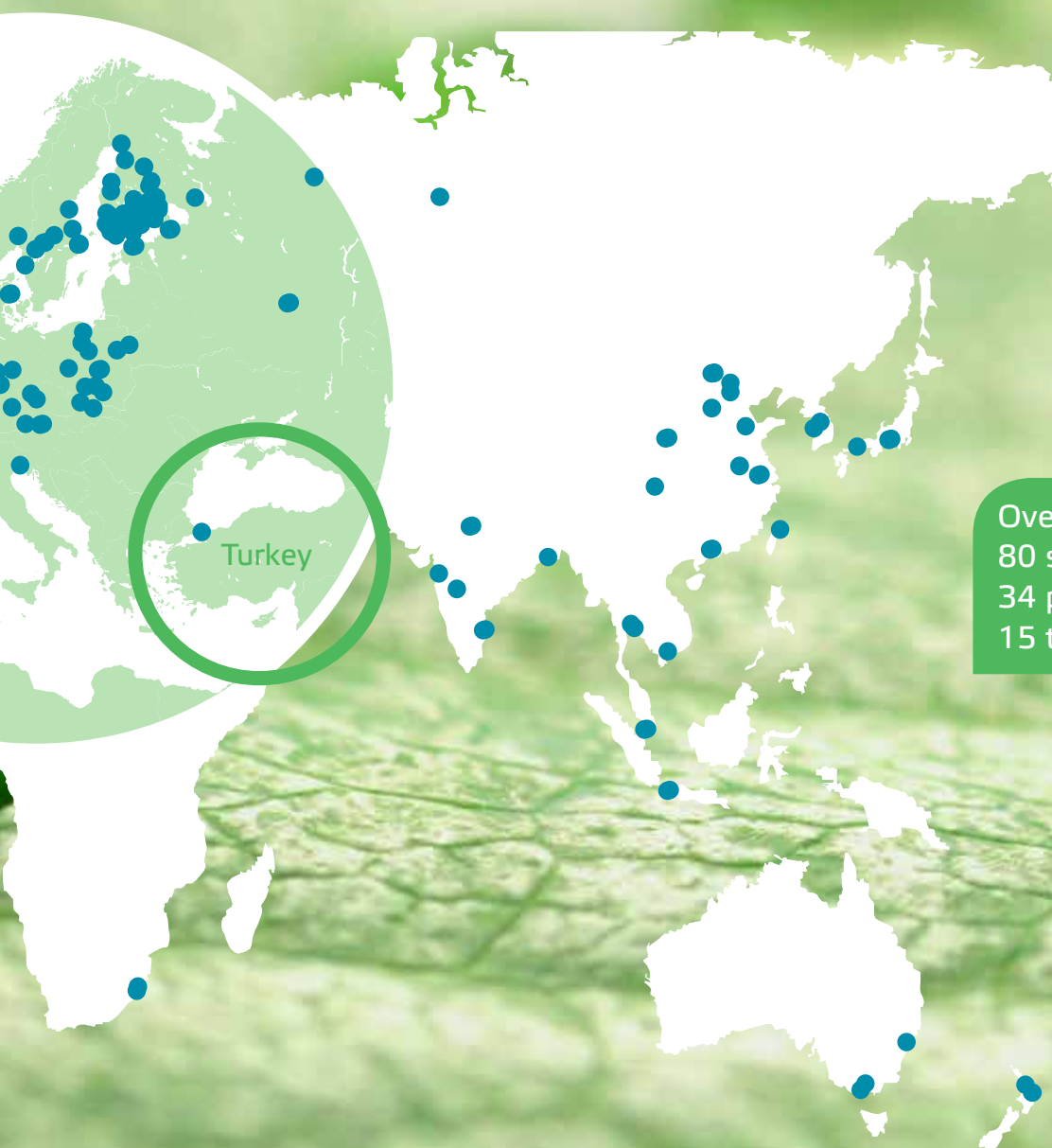
China

- Services growth potential through growing installed base
- Capital project opportunities in board and tissue



1.955
(16%)

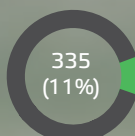




Over 100 service centers
80 sales offices
34 production units
15 technology centers

South America

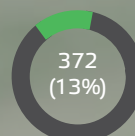
- Services growth potential through growing installed base
- Capital project opportunities in pulp, tissue and bioenergy




531
(4%) 

Asia-Pacific

- Services growth potential through growing installed base
- Capital project opportunities in pulp, energy, board, and tissue



706
(6%) 

History

Valmet has 200 years of industrial history

The history of Valmet Corporation goes all the way back to the 1750s. It was then that a small shipyard was established in the Viapori fortress on the islands outside Helsinki. In the early 20th century it ended up under the ownership of the Finnish state and became part of Valmet. Tamfelt was established in 1797 and became one of the leading suppliers of technical textiles. These operations are now part of Valmet's Services business line.

Several of the companies forming part of the new Valmet Corporation date back to the 19th century. The Karlstad Mekaniska Werkstad (KMW) in Sweden began in 1865. Beloit Corporation began in 1858 as a foundry in Wisconsin, US, in the city of Beloit. Sunds Bruk, the predecessor of Sunds Defibrator Industries Ab, was established in Sweden in 1868.

In 1946, several metal workshops

owned by the Finnish state were merged to form the Valtion Metallitehtaat (the State Metal Works). At the beginning of 1951, the Valtion Metallitehtaat group was renamed Valmet Oy, and the product range expanded over the years to include ships, aircraft, weapons, locomotives, tractors, marine engines, elevators and, of course, paper machines.

Valmet began the manufacturing of paper machines at the former Rautpohja artillery works in Jyväskylä, Finland in the early 1950s and delivered its first paper machine in 1953. Valmet became an internationally significant paper machine supplier in the mid-1960s, when it delivered several machines to the world's leading paper industry countries.

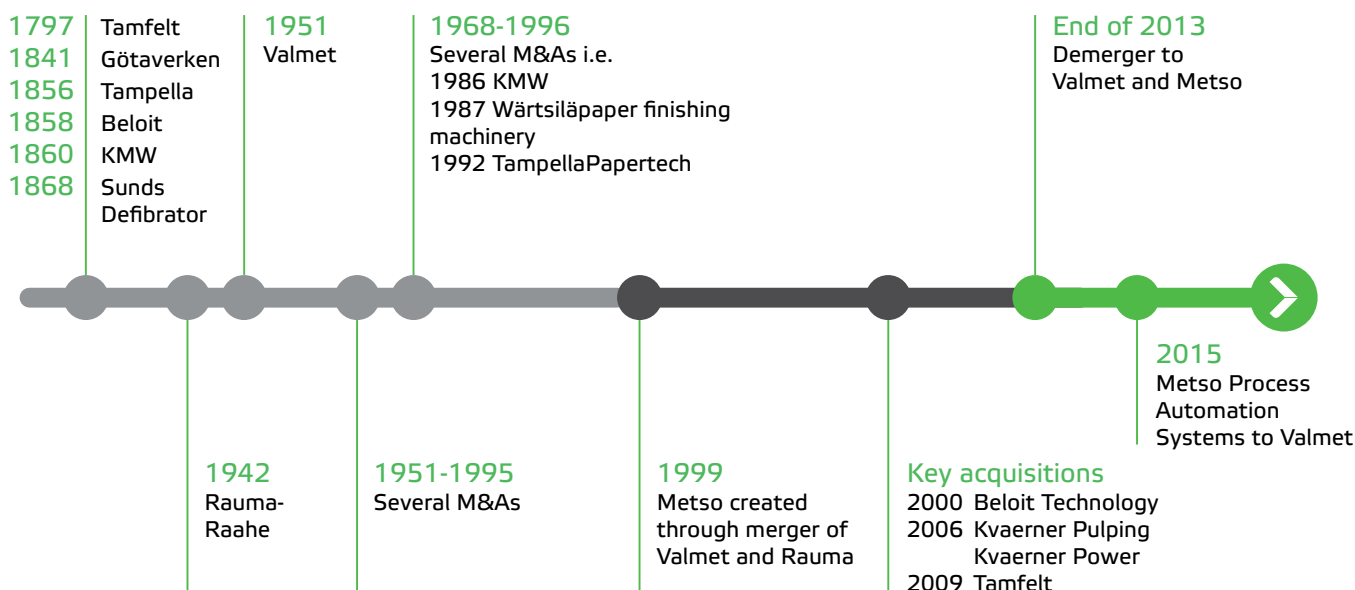
In the 1980s and 1990s, Valmet focused increasingly on paper technology. Valmet sold its shipbuilding industry, and the manufacture of rolling stock, elevators and tractors. In turn,

Valmet bought Wärtsilä's paper finishing machinery unit, the Swedish company Karlstads Mekaniska Werkstad (KMW) and the board machine manufacturer Tampella Papertech.

1999 - Merger of Valmet and Rauma to form Metso

Metso Corporation was created as a result of the merger of Valmet Corporation and Rauma Corporation ("Rauma") in July 1999. At the time Valmet was a paper and board machine supplier, while Rauma's operations were focused on fiber technology, rock crushing and flow control solutions. The merger produced an equipment supplier serving the global process industry. The new combined company was initially given the name Valmet-Rauma Corporation. The name was changed to Metso Corporation in August 1999. Shares in Metso were listed on the Helsinki Stock Exchange, which replaced the listings of its predecessor companies.

Valmet has over 200 years of industrial history



2000-2009 - Important mergers and acquisitions in pulp, paper and power businesses

In 2000, Valmet (at the time part of Metso) acquired Beloit Corporation's tissue and paper making technology as well as its service operations in the United States and France.

In December 2006, Valmet completed the acquisition of the Pulping and Power businesses from Aker Kvaerner ASA of Norway. This was done in order to improve the company's capabilities as a full-scope supplier to the pulp and paper industry and also to respond to the promising business opportunities in the power industry and biomass technology.

At the end of 2009, Valmet acquired Tamfelt Corporation, one of the world's leading suppliers of technical textiles.

2013 - Valmet is reborn

Metso Corporation's Extraordinary General Meeting (EGM) held on October 1, 2013, approved the Board of Directors' proposed plan for a partial demerger and decided to demerge Metso into two companies: Valmet and Metso. On December 31, 2013 Metso's Pulp, Paper and Power business was transferred to the new company, Valmet Corporation, and the Mining and Construction and Automation business remained part of Metso.

2015 - Valmet acquired Metso Process Automation Systems business

In January 2015, Valmet Corporation and Metso Corporation signed an agreement on the sale of Metso's Process Automation Systems business to Valmet. The acquisition was completed on April 1, 2015, and Automation became Valmet's fourth business line.

History of Automation

1920's

An aircraft repair Workshop founded in Helsinki to repair aircraft instrumentation



1936

Division is opened in Tampere



1940's

The first black box "Mata Hari" invented and produced in the State aircraft factory in Tampere



1944

Measurement and control instruments for the process industry begin to develop



1953

Precision mechanics division established, introduction of pneumatic measurement and control system



1968

Valmet Oy Instrument Works established in Rantaperkiö

VALMET
KÄTTEMME TÖITÄ



Valmet's Way Forward

Our business supports sustainable development

Sustainability is at the core of Valmet's business strategy and operations. Our values, Code of Conduct and related policies, and selected globally acknowledged initiatives and principles create the foundation for sustainable performance at Valmet.

From renewable resources into sustainable results

Valmet's mission is to convert renewable resources into sustainable results. This means that our technology and services make it possible for our customers to manufacture sustainable products from renewable resources. We believe that technology plays a significant role also in curbing and adapting to climate change.

Valmet has a long track record in providing solutions that convert biomass into renewable energy and recyclable products such as pulp, paper, board and tissue. We have also developed and commercialized new biomass conversion technologies for producing new bio-based end products such as biogas, biofuels and biomaterials.

Sustainability agenda guides our performance

Valmet's Sustainability Agenda focuses on five core areas which are Sustainable supply chain; Responsible operations (health, safety and environment, HSE); People and performance; Cost-effective sustainable solutions and Corporate Citizenship. We evaluate and develop our performance and report on our achievements on an annual basis.

Our Values



Customers

We move our customers' performance forward



Renewal

We promote new ideas to create the future



Excellence

We improve every day to deliver results



People

We work together to make a difference

Our Mission

Converting renewable resources into sustainable results.

Our Strategy

Valmet develops and supplies competitive technology and services to the pulp, paper and energy industries.

We are committed to moving our customers' performance forward.

Our Must-Wins

- Customer excellence
- Leader in technology and innovation
- Excellence in processes
- Winning team

Our Vision

To become the global champion in serving our customers.

Our Values

- Customers – We move our customers' performance forward
- Renewal – We promote new ideas to create the future
- Excellence – We improve every day to deliver results
- People – We work together to make a difference

Megatrends

- Need for renewable solutions
- Bio-economy and climate change
- Increase in standards of living

Sustainability Focus Areas

- Sustainable supply chain
- Responsible operations (HSE)
- People and performance
- Cost-effective sustainable solutions
- Corporate citizenship



Our businesses

Valmet is organized around four business lines and five geographical areas. The business lines are Services, Pulp and Energy, Paper and Automation. The areas are North America, South America, EMEA (Europe, Middle-East and Africa), Asia Pacific, and China. The areas are responsible for sales, providing services that meet customers' needs and support of project deliveries in their respective regions.



Automation

Process automation solutions for

- Pulp and paper industry
- Energy production
- Selected other process industries
- Marine

Automation business line

delivers automation solutions ranging from single measurements to mill wide process automation systems.

The main products are Distributed Control Systems, Quality Control Systems, analyzers and measurements, vision systems, and performance and service solutions. The main automation customer industries are the pulp and paper and other process industries, energy production, marine, and oil & gas.

Pulp and Energy

Technologies and solutions for

- Pulp production
- Energy production
- Biomass conversion

Pulp and Energy business line

provides technologies and solutions for pulp and energy production as well as for biomass conversion. The pulp projects range from process equipment deliveries to complete pulp mills. Valmet's energy solutions include e.g. biomass based energy boilers and their rebuilds. In addition, Valmet continuously develops new biomass conversion technologies.

Valmet is an established market leader and has a strong market position in all its businesses.



Paper

Technologies and solutions for

- Board production
- Tissue production
- Paper production

Paper business line delivers complete board, tissue and paper production lines and machine rebuilds. Board, tissue and paper are used in a number of end products such as packaging, handkerchiefs, toilet paper and hand towels as well as printing and writing papers.

Services

- Mill and plant improvements
- Roll and workshop services
- Parts and fabrics
- Life-cycle services

Services business line provides customers with mill improvements, roll and workshop services, spare parts, fabrics, and life-cycle services. Valmet serves over 2000 pulp and paper mills globally. This means that annually more than half of the world's 3 800 pulp and paper mills buy services from Valmet.



Industries and Products

Automation solutions

Valmet's automation solutions are designed to maximize the profitability of our customers' businesses by improving their production performance and their cost, material and energy efficiency.



Energy production

Take full advantage of Valmet's unrivaled fuel competence. Our in-depth expertise covers everything from fuel to stack.

Biofuels and biomaterials

Valmet has developed products for environmentally friendly and cost efficient converting of renewable biomass to valuable fuels and biomaterials.





Pulping and fiber

Valmet has developed a family of intelligent pulping and fiber processes to meet the ever-increasing demand for environmentally friendly and cost efficient production.

Board and paper mills

Valmet's technology for board and paper mills covers from furnish preparation to paper and baseboard making, coating, finishing, reeling, winding and wrapping.



Tissue mills

Our tissue making technology provides sustainable production of all types of grades from conventional to textured and structured products.

Automation

Valmet's automation solutions are designed to maximize the profitability of our customers' businesses by improving their production performance and their cost, material and energy efficiency. Our extensive range of sustainable automation solutions and services is supported by a worldwide network of automation experts. Valmet's automation business serves customers in pulp, paper and energy industries. We have established position also in other process industries as well as marine industry.

4,500
automation
systems delivered

- Valmet DNA
- Analyzers and measurements
- Valmet IQ
- Solutions for pulp & paper
- Solutions for energy





Valmet DNA

Valmet DNA is a single automation system for all functions – process, machine, drive and quality controls. It covers information management along with mechanical and field device condition monitoring. The single system architecture saves on both costs and effort, while ensuring open growth for your future challenges.

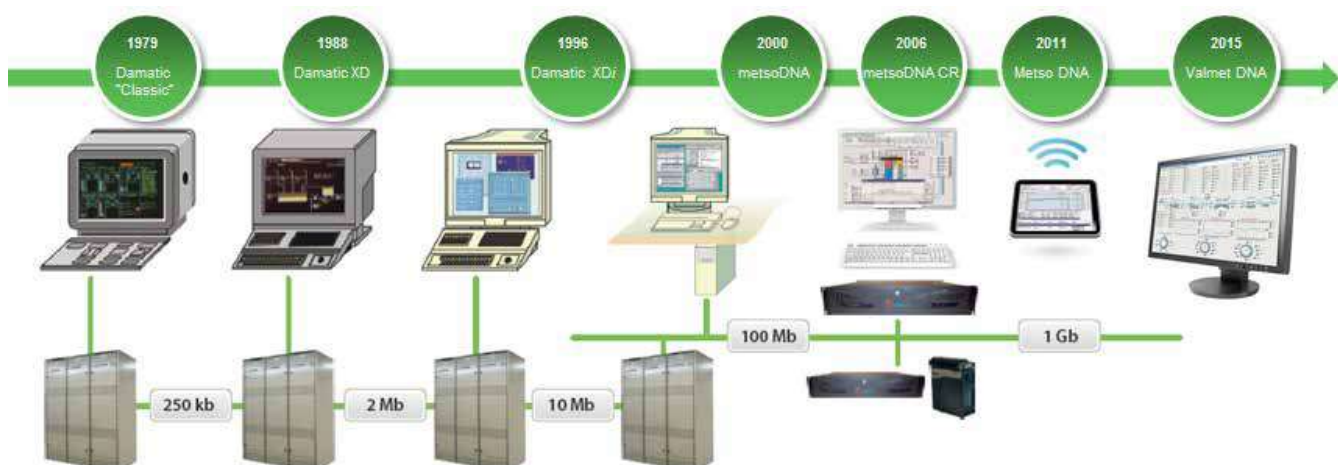
It's in our DNA – one system serves all your control needs, including optimization, safety related controls

and asset management solutions
Valmet DNA is based on the knowledge of developing distributed control systems (DCS) over for 30 years. It ranges from a micro-sized system, including the world's smallest fully functional user interface, to mill- and plant-wide systems that support global organizations.

Valmet IQ

Valmet IQ is a comprehensive quality monitoring and control system that covers the entire pulp and paper production line and beyond. It combines any of the key elements of a QCS system, from measurements, controls, and profilers, to condition monitoring and machine vision, into one scalable system, making it the market-leading solution. With Valmet IQ, you can optimize your entire production process and the end product quality as well as maximizing your business results.

Valmet DNA History

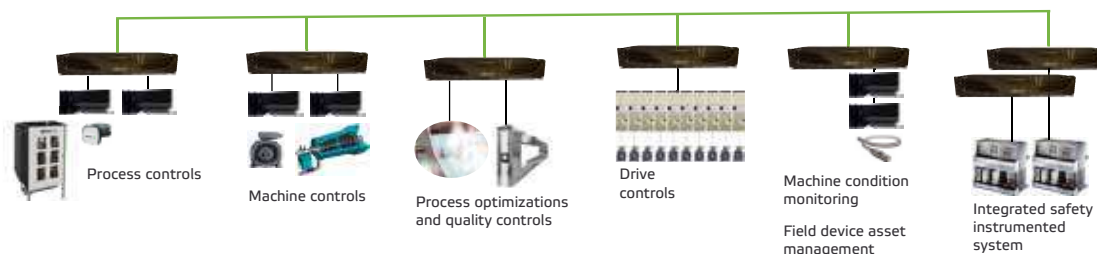


It's in our DNA

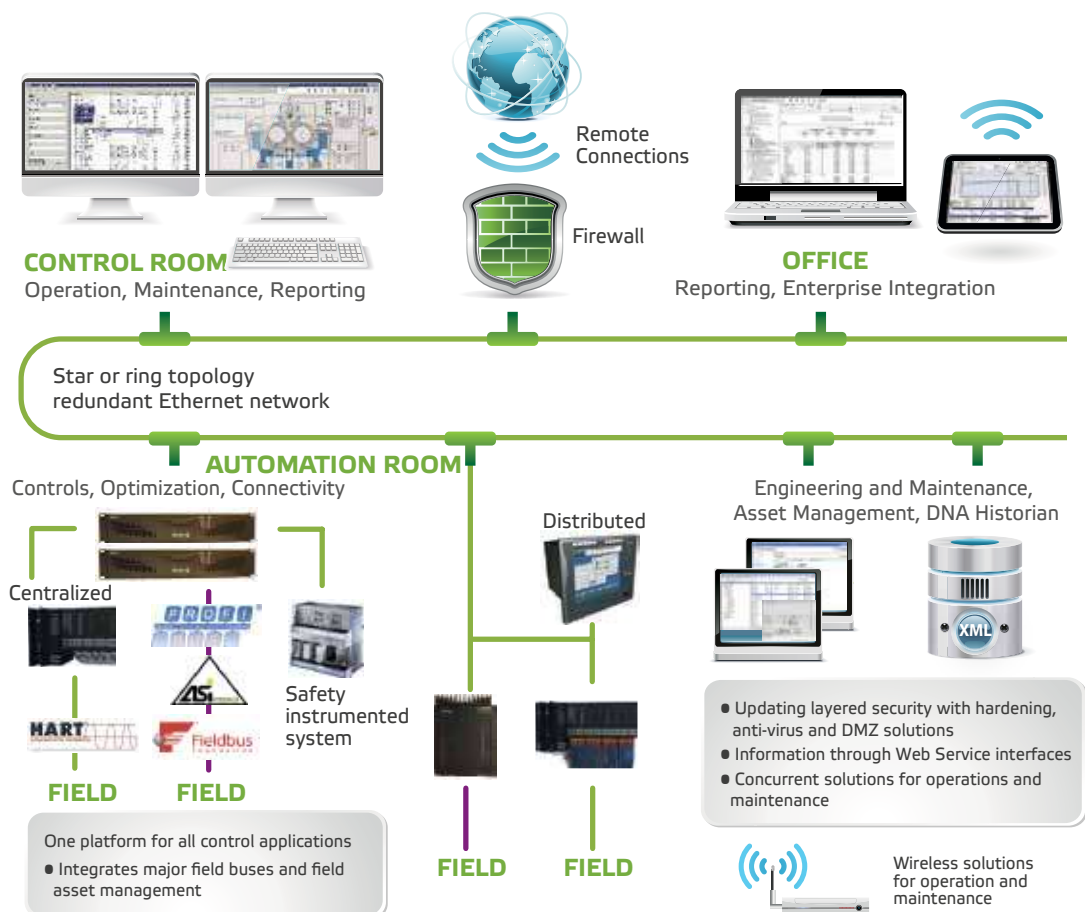
Feel the ease of one system

Valmet DNA provides you with one seamless system for even the most demanding control and information management tasks. Combining all applications into one hardware and software environment means clear benefits for operations and maintenance. Maintenance is established with one set of engineering tools and methods, and there is no need for additional training. Also, the same set of spare parts is enough for all controller types. Finally, having just one user interface for all applications enables plant-wide uniform operations and saves your teams from having to learn several systems. From basics to advanced Valmet DNA provides its users with integrated analog and logic controls. Basic controls include reliable measurements, alarm detections, PID, motor and valve controls, group starts, sequences and so on. Fast control cycles can be utilized when needed, for instance, for paper machine drives or turbine controls. Tuning the loops is easy directly from the process control user interface. When the basic controls are not enough, plants can aim at better results by using advanced controls on the same controller.

Feel the ease of one system These controls can be implemented with sophisticated tools and technologies, such as fuzzy logic, neural networks, Java programming and multivariable controls. These controls have been specially designed to help mills strive for continuous performance improvement and optimization.



System architecture



Automation Solutions for Industries We Serve

Chemical pulping



Mechanical pulping



Board and paper



Tissue



Energy



Oil and gas



Marine



Food industry



Pharmaceutical industry



Wastewater



Energy production

Take full advantage of Valmet's unrivaled fuel competence. Our in-depth expertise covers everything from fuel to stack.

Whether you run a utility, process industry, municipality, sugar and ethanol industry or pulp and paper mill, we offer you the most suitable and proven solution for converting fuel to energy.

Our strong offering includes fluidized bed boilers, gasifiers, power plants, integrated pyrolysis, equipment for environmental protection, as well as wide selection of life cycle services.

- **BFB boilers**
- **CFB boilers**
- **Gasification**
- **Power plants**
- **Heating plants**
- **Air pollution control**
- **Rebuilds and conversions**
- **Services**

More than 1000

energy automation
systems delivered

270 fluidized bed boilers
120 BioGrate boilers
400 environmental
protection systems

Our offering for energy industry and biotechnologies

Technologies

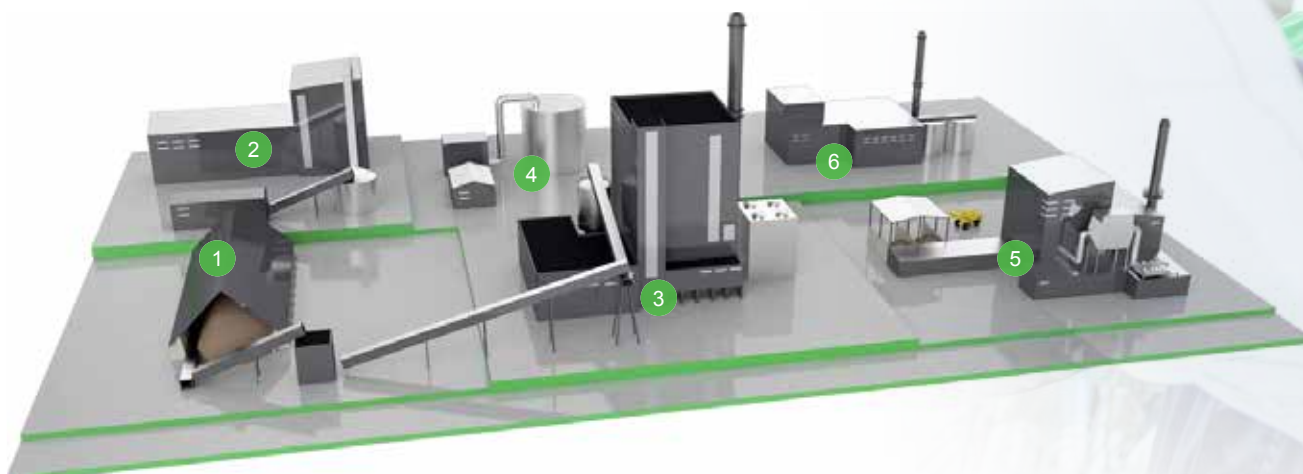
- 1 Fuel handling
- 2 Gasification
- 3 Boiler and fluegas cleaning
- 4 Bio-oil production
- 5 Modularized power plants
- 6 Prehydrolysis
For biofuels, Biomaterials
and biochemicals, and
bio coal production

Automation

- Distributed Control System (DCS)
- Performance solutions
- Analyzers and measurements
- Industrial internet solutions
- Automation services

Services

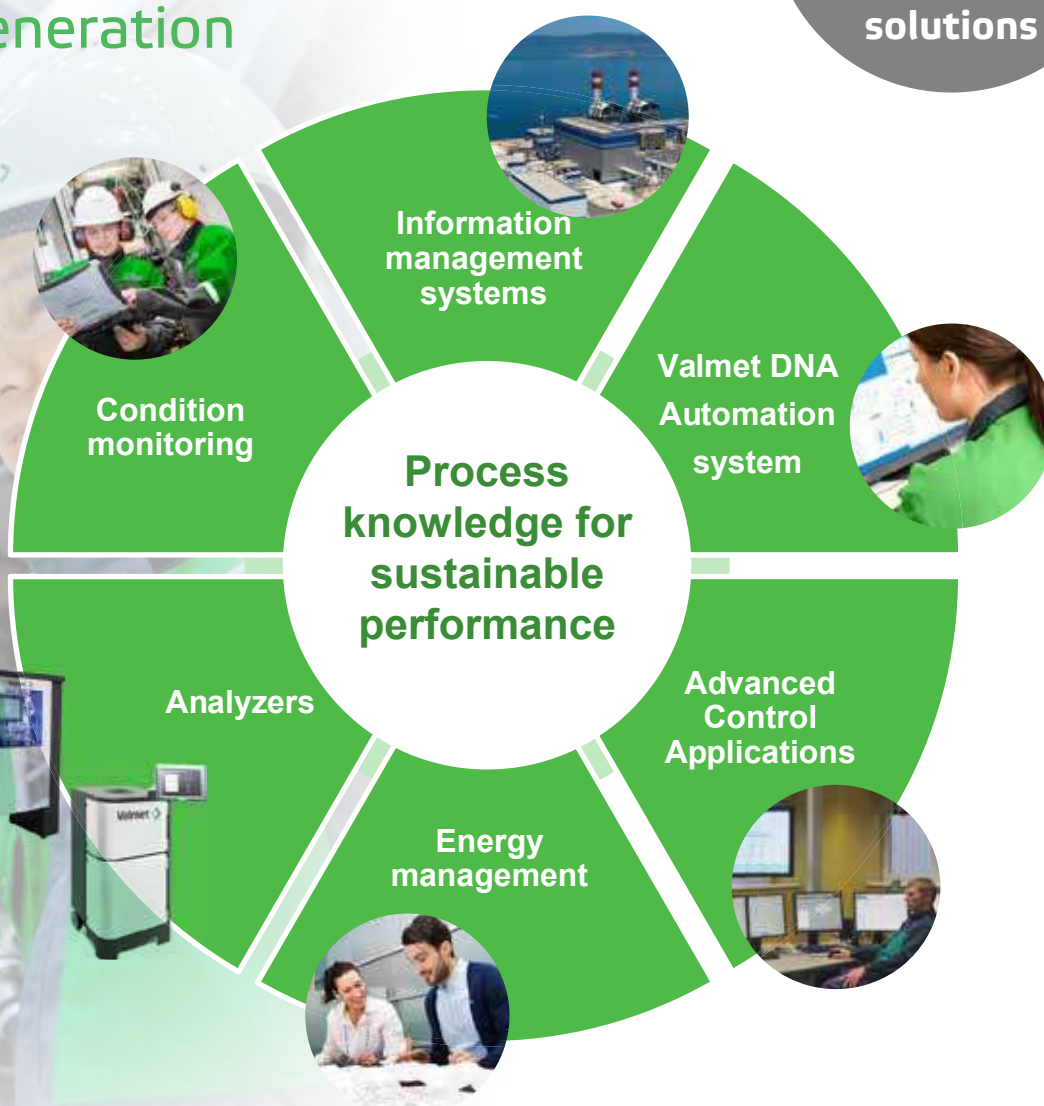
- Plant improvements
- Rebuilds
- Performance services
- Services for environmental equipment
- Components and spare parts
- Training





**Move your
energy business
forward
with reliable
automation
solutions**

**Solutions designed for
power generation**



Valmet Comprehensive Offering for Energy Customers

Boiler plants up to 800 MWth



Complete power plants in 2-20 MWe



Rebuilds and conversions



Air pollution control systems



Fuel handling systems



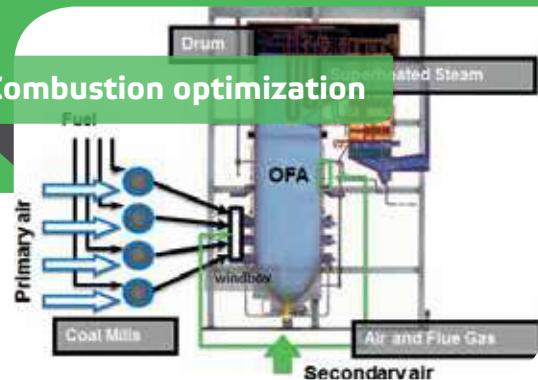
Power plant automation



Turbine Control upgrades



Combustion optimization



Plant management applications



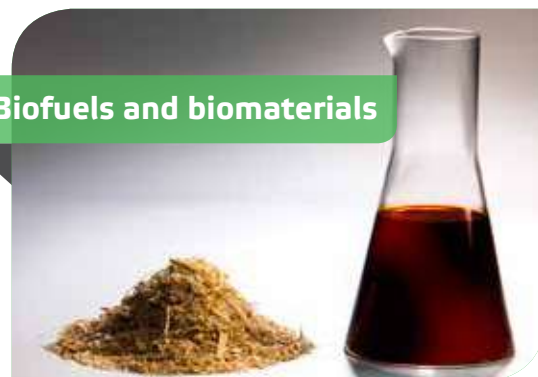
Advanced process controls



Life-cycle services



Biofuels and biomaterials



Pulping and fiber

Valmet has developed a family of intelligent pulping and fiber processes to meet the ever-increasing demand for environment-friendly and cost-efficient production. Each family member represents the best available technology in its own field, and together they cover the whole process.

- Wood handling
- Heat and power production
- Chemical pulping
- Dissolving pulping
- White liquor plant
- Chemical recovery
- Pulp drying
- Recycled fiber
- Mechanical pulping
- Stock preparation
- Fiberboard

Over 50%

of the world's
pulp and paper
mills are serviced
by Valmet





Full scope offering for the pulp and paper industry

Technologies

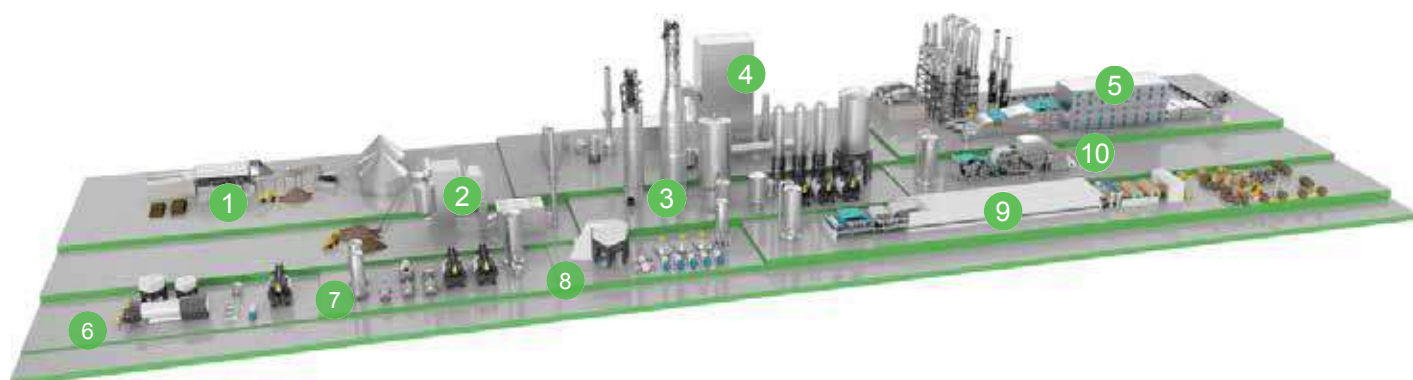
- 1 Wood handling
- 2 Heat and power production
- 3 Chemical pulping
- 4 Chemical recovery
- 5 Pulp drying
- 6 Recycled fiber
- 7 Mechanical fiber
- 8 Stock preparation
- 9 Board and paper making
- 10 Tissue making

Automation

- Distributed Control System (DCS)
- Performance solutions
- Quality Control System (QCS)
- Profilers
- Analyzers and measurements
- Industrial internet solutions
- Automation services
- Process simulators
- Safety systems and solutions

Services

- Mill and plant improvements
- Spare and wear parts
- Paper machine clothing and filter fabrics
- Roll services
- Services for evaporation plants, power and recovery boilers
- Services for environmental equipment



200 wood handling systems

470 cooking systems

300 complete fiber lines

400 evaporation systems

350 recovery islands

delivered

Board and paper mills

Did you know that 40% of the paper and board in the world is produced with **Valmet machines**? It is no wonder that we like stay in close collaboration with our customers so that we can continuously develop new products and processes that meet customer needs for **lower energy consumption** or **using raw materials more efficiently**.

At Valmet we have the expertise and technology to understand your production-specific process, from furnish preparation to paper and baseboard making, sizing, coating, calendering, reeling, winding and wrapping needs. Our experienced and skilled people support you all the way from planning to the project phase, through commissioning and start-up to continuous production – throughout the entire lifecycle of the machine line.

By choosing the original Valmet machinery and products, you guarantee that your operations – and profit- stay up and running. Uninterrupted.

- **New lines**
- **Rebuilds**
- **Recycled fiber**
- **Stock preparation**
- **Approach flow system**
- **Headbox**
- **Forming**
- **Pressing**
- **Drying**
- **Process ventilation**
- **Sizing**
- **Coating**
- **Chemical systems**
- **Coating drying**
- **Calendering**
- **Reeling**
- **Winders and roll handling**
- **Spare parts**

40%
of all global paper
production by
Valmet machines





Tissue mills

Long and extensive experience within the tissue industry combined with close cooperation with tissue makers worldwide has resulted in deep knowledge of tissue making and its application. References and experiences from more than 200 tissue machine installations in all continents has been condensed into our leading technologies Advantage™ DCT®, the Advantage™ NTT® and the Advantage™ THRU-AIR® concept. Each concept producing its own specific grade of the high quality tissue which has become the trademark for Valmet. The Advantage technology is also recognized to offer Sustainable production where high energy and water efficiency as well as fiber saving are achieved. Valmet also provides advanced technologies for Nonwoven production.

Our way to operate is based on friendly customer relations built on mutual trust and common goals. Together we can move your business forward.

Advantage DCT Technology



Produce most types of conventional tissue with the highest quality in a cost-effective way

The Advantage DCT process has become a world standard for production of conventional tissue paper. It provides sustainable production of high tissue quality with low energy- and water consumption, high efficiency and reliability at low investment cost. The concept is available in various models and sizes to fulfill each specific production demands.

Since the launch in 2005, more than 70 Advantage DCT lines has been sold to all continents in the world.

Advantage NTT Technology



The new standard in premium quality tissue making

The Advantage NTT concept is designed for maximum flexibility and can easily swing between cost-efficient production of conventional tissue and high quality textured tissue in a few hours.

In "plain mode" it is possible to produce very high volumes of tissue products with high softness at low energy consumption. Textured mode provides the possibility to produce premium quality tissue with 50-100% more bulk and softness as well as water absorbency. Fiber savings up to 30% can be obtained due to the increased bulk.



Advantage THRU-AIR Technology



Supreme quality with unbeatable absorbency and softness

Consumer demand has led to an impressive growth in the quantity and variety of TAD products on the market. The TAD process delivers a product that is softer and more absorbent than conventional technology allows; characteristics that consumers really value.

With more than 50 Valmet TAD technology tissue making machines, plus rebuilds and air systems installed worldwide, we are well qualified to bring this technology to you at the lowest possible cost.

Honeycomb Rolls and Thru-Air Systems



Valmet is the international manufacturer of the HONEYCOMB ROLL®, THRU-AIR® Systems for drying, curing, and bonding for the nonwovens applications; and Vacuum transfer, tension, and porosity measuring rolls for the web processing industry.

HONEYCOMB®, HONEYCOMB ROLL®, THRU-AIR®, HYDRO-DRY®, TRI-CELL®, HEX-CELL® and TREX® are trademarks of Valmet, Inc.

Service



**Together we
keep your plant
competitive
and reliable**

Valmet has one of the widest offering of sustainable products and services in the fields of energy, pulp, fiber, paper, board, tissue, automation and biotechnology. This ranges from traditional services such as spare parts and roll grinding to intelligent maintenance, process analysis, performance improvement and environmental services and complete outsourcing of mill functions. We are dedicated to offering flexible, tailor-made services that best meet our customers' needs.

eService

Emergency

24h

Service



Online store of spare parts and consumables for mechanical and chemical pulping, board, paper and tissue machinery, power plants and chemicals and water management.

Register to take full advantage of eServices: purchase items, Access order and quote history, track your orders and contact our experts at any time.

www.eservices.valmet.com

We are committed to serve!



Automation services

Valmet's services for automation are focused on innovative solutions which improve our customers' profitability, and optimize their production and maintenance.



Pulping and fiber services

Valmet's services offer you access to global process know-how and technology, expert services and local maintenance. Our aim is reducing your costs and adding profitability.



Board and paper services

Valmet's services for paper and board making lines cater to the different needs of mills, ranging from spare parts and a number of equipment-specific services.



Tissue service

By choosing Valmet's life-cycle partnership agreement we will continuously maintain and enhance production line performance in order to meet your expected targets. We offer life long support and 24 hour service.



Energy production services

With a global team of engineers and experts, Valmet offers a full range of customized services and automation solutions to meet your local challenges.



Biofuels and biomaterials

Valmet's services offer you access to global process know-how and technology, expert services and local maintenance.

Training



Better performance by learning

Organizations that focus on learning are more successful. Learning generates knowledge and knowledge generates business. Knowledge increases quality and productivity, and it is one of the best tools for gaining competitive advantage. It also ensures optimal use and availability of machinery, equipment and systems and reduces safety and environmental risks from incorrect equipment use.

Mill-site training, open training courses, seminars, webinars, theme days

Valmet delivers hundreds of courses, thousands of training days annually across the globe. Training occurs as part of new machinery, equipment and system deliveries, upgrades and rebuilds and also as further training.



WebAcademy

WebAcademy provides an online training product that facilitates individual training programs, individual progress tracking, online tests and exercises that can be accessed at any time. Reporting features and statistics are available for supervisors and HR staff.

Roll maintenance school

These courses are designed for mill maintenance and operations personnel. Also, this is an ideal opportunity for anyone needing an increase in his or her knowledge of rolls. Explore the benefits of attending Roll Maintenance School!

Automation training

Customer training on automation equipment and systems.

Different simulators for the ease and continuous availability of testing and training.

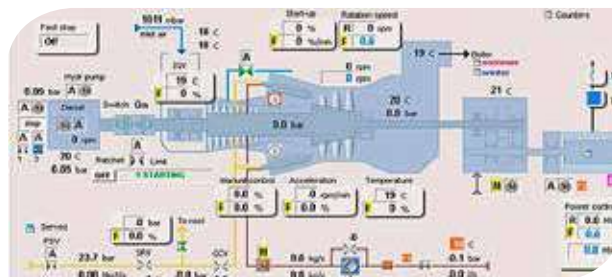


WinGEMS can save days in the development of a full mill simulation. These blocks contain a wealth of knowledge and experience to assist in modeling all areas of the pulp and paper making process.

Valmet WinGEMS

Understand and improve your process through simulation!

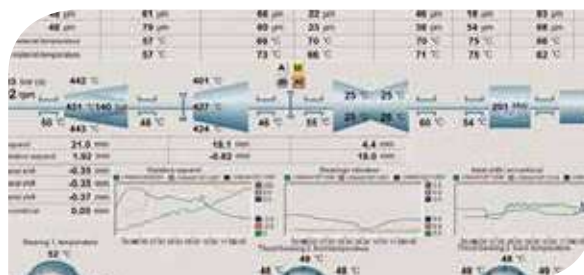
With new features, including over 75 new pre-built process unit blocks, Valmet



Gas turbine automation

Valmet offers the convenience and simplicity of a stand-alone gas turbine control combined with the thoroughness of a fully integrated system that delivers protection and condition monitoring, along with precise control of your turbine. By integrating gas turbine control, protection, and scalable information management into an

easily deployed turbine retrofit package, Valmet gets you back in the game quickly with new tools. No more black boxes are used and you will get a deeper insight into the machine with Valmet's solution.

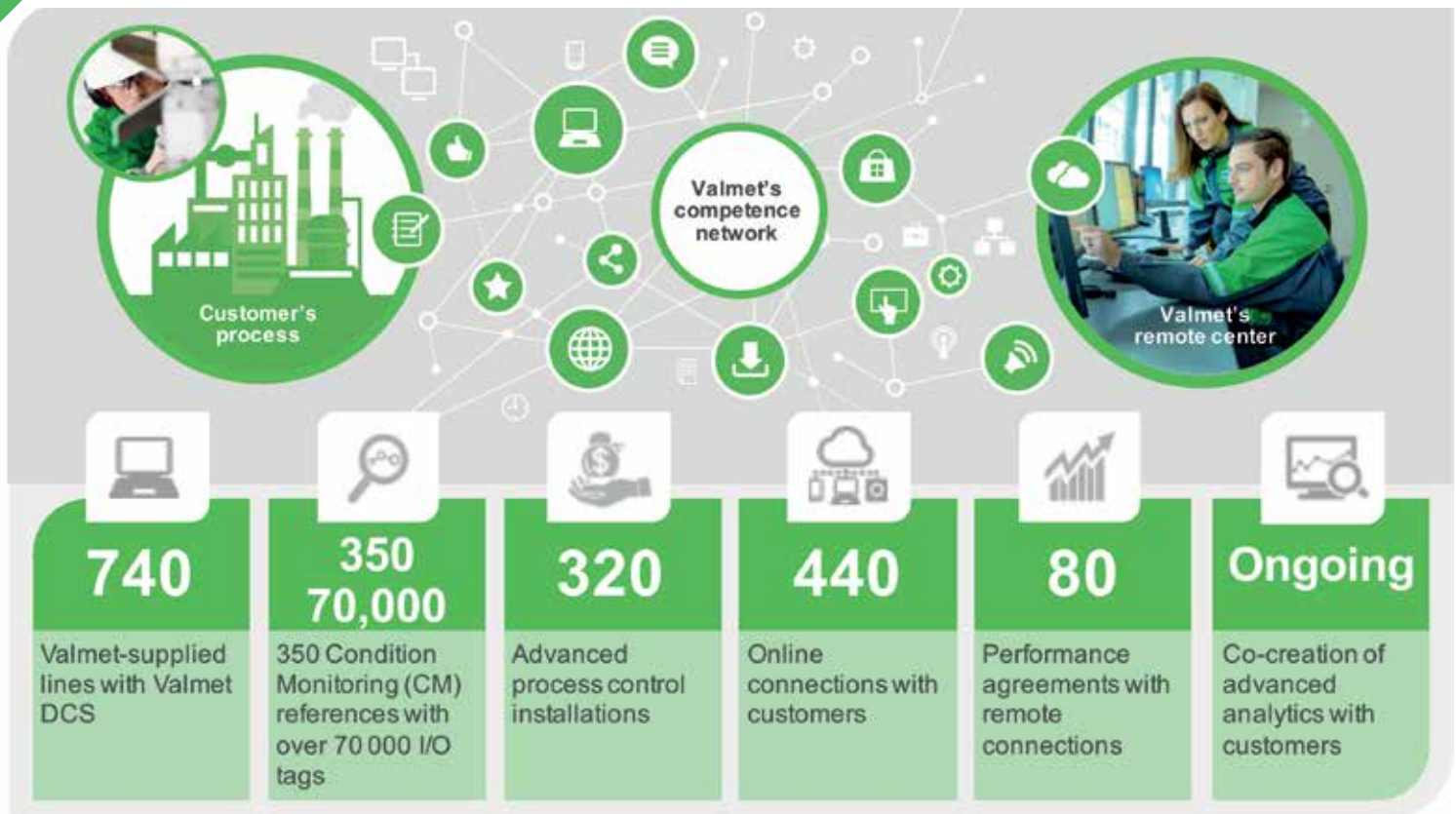


Steam turbine automation

Valmet's steam turbine controller is an integrated part of the Valmet DNA automation system. The advanced and integrated solution improves the cost efficiency of the power plant's operation and simplifies the system maintenance.

Ask for tailored courses
www.valmet.com

Industrial Internet



Industrial internet for Valmet means the ability to capture and share data and information from the pulp, paper and energy production machines and processes, and to utilize it for the benefit of our customers.

Valmet has the infrastructure to gather and analyze the data from our customers' machines and processes. Together with our customers we move their performance forward by utilizing the data to adjust operations and to plan preventive maintenance. We have already implemented hundreds of solutions utilizing our Industrial Internet capabilities.

Frontrunner in industrial internet

Valmet has a long history in the digitalization of process industries. Our background lies in 1960's when our first automation solutions came to the market. In 1980's we launched first distributed controls and monitoring systems, and in 1990's we already were able to embed intelligence and advanced information into the production processes.

In early 2000, we started to provide our customers with 24/7 remote services for troubleshooting assistance and for preventive maintenance. Already since 2010 our customers have been able to utilize our information services and remote analysis to increase their productivity, end product quality and raw material efficiency.

We at Valmet are already today frontrunners in Industrial Internet - one example is the 440 online connections that we have to our customers' processes today.

Valmet has a clear roadmap forward in Industrial Internet and we intend to be frontrunners in this field also in the future. Our unique offering combining intelligent process technologies, services and automation provide a strong platform that we can build on.



Valmet's Industrial Internet Offering

Intelligent machines, services and automation technologies as a platform for becoming a game changer

Valmet has a unique customer offering combining process technologies, services and automation. Our Industrial Internet solutions are built on the intelligent machines and intelligent automation technology developed and provided for the pulp, paper and energy industries.

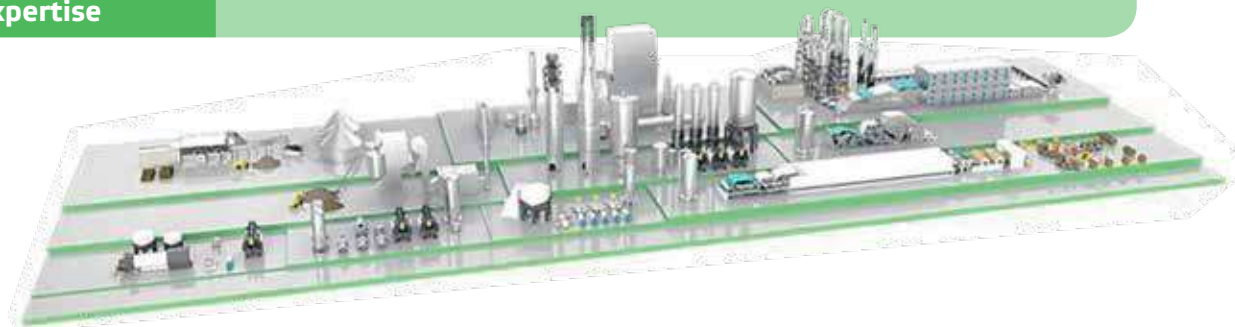
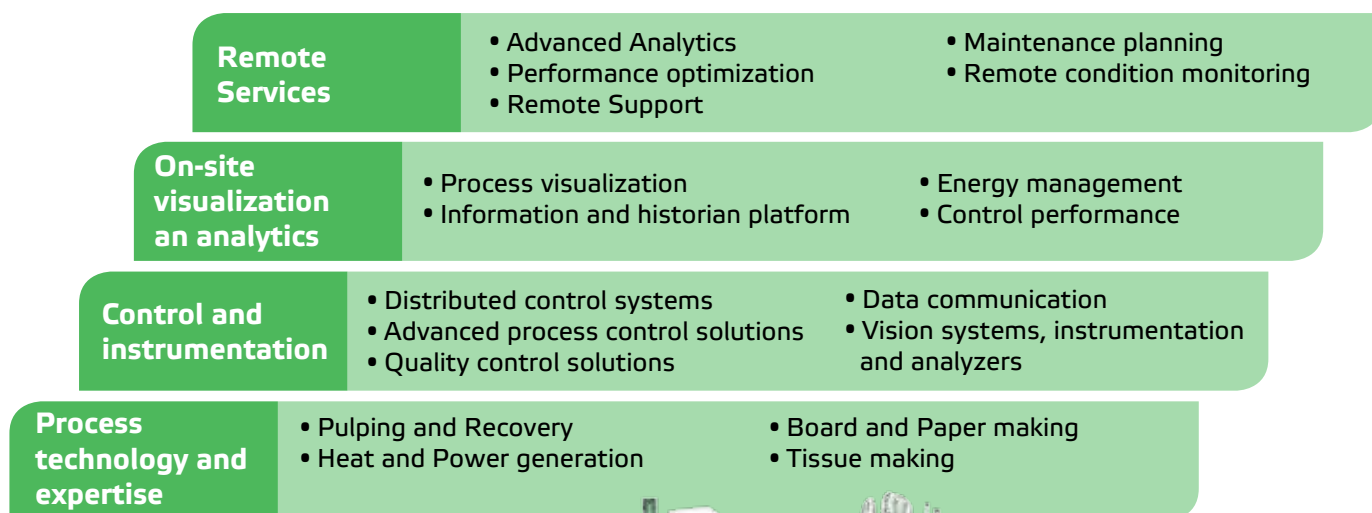
Our intelligent machines for pulp, paper and energy production are today fully automated, with process data and connectivity available for industrial internet. In the near future, the machines will come fully equipped for industrial internet infrastructure, and different diagnostics will be embedded into processes, at the same time keeping information security a high priority. This way the fleet of intelligent machines and mills will boost improvement.

On top of the intelligent machine technology, Valmet constantly develops fleet-wide data access and advanced analytics to create more efficient services that increase customers' process availability and ultimately process performance.


Already today, we bring our expertise and efficient services both locally and remotely to our customers. On a daily basis, our experts monitor and enhance the performance of our customers' processes and product quality remotely. Furthermore, we systematically develop the mobile and remote services to the next level, and are getting ready with a most modern, one stop customer portal.

Valmet's automation solutions form a secure information platform between people, our intelligent technologies and services. Today the Valmet DNA automation platform allows full and uniform plant integration by connecting instruments, analyzers, vision systems and process control together. In the coming years, our DNA solution will evolve to a secure internet technology based platform for plant operations including virtual and cloud based applications and remote services. We will ensure a fully mobile access to all information anytime and anywhere.


Valmet wants to be a game changer, bringing new opportunities to our customers.



Notes:



Converting renewable resources into sustainable results



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