



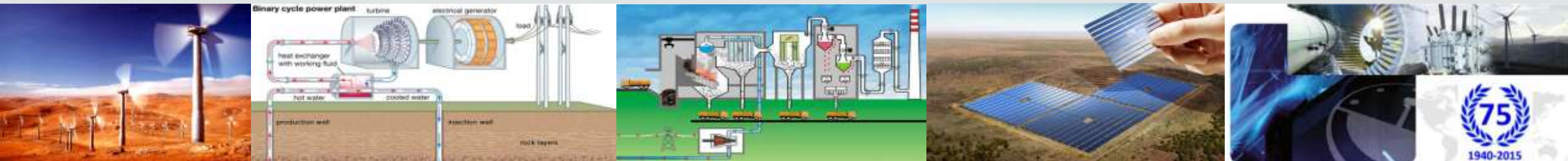
Ampere turnkey Projects

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| AMPERE SpA
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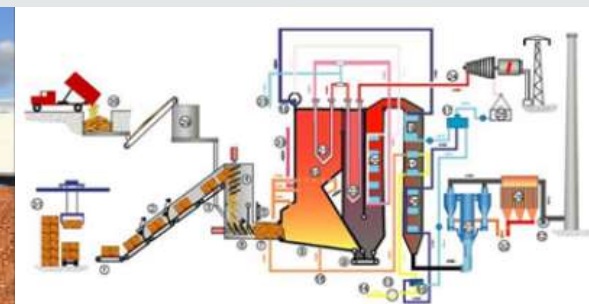
Story of AMPERE S.p.a.

- ❑ AMPERE S.p.A. is a stock company founded in 1940 by the late G. Picker, a graduated in Electrical Engineering at Karlsruhe University in Germany.
- ❑ The company's main activities are sales in Italy of instruments and systems for Measurement, Test, Monitoring, and Diagnostics both as distributor and as agent on behalf of leading manufacturers worldwide and even as a system integrator providing services for the different promoted devices.
- ❑ With a new and fast-growing business unit (named "Servizio Misure") AMPERE is also offering consultancies and specialized diagnostic services to Power Plants and T&D Utilities, on transformers, generators, motors, cable and overhead lines. Both in Italy and abroad.
- ❑ AMPERE has adequate engineering capacity and experience for providing automatic energy management systems.
- ❑ AMPERE has also an Energy System Division which coordinates projects as a Global EPC Contractor for power plants (renewable and traditional energy) and substations.
- ❑ AMPERE S.p.A. is an ISO 9001:2008 and OHSAS 18001:2007 company, certified by Dekra.



Business of Ampere S.p.A.

- ❑ The “**Area Elettrica**” business unit of AMPERE offers a wide range of instrumentation and systems for electrical measurements and test, including -- HV testing rooms and on-line monitoring solutions. This business unit includes the Turn Key Projects division, responsible for construction of HV Substations, Wind Farms, Photovoltaic Power Plant , Hydro Power plant and in general Power plants pertaining to Renewable Energy. Within the same BU Ampere is also developing the System Integration activities for Protection Relay and Plant Automation, providing well tailored SCADA solutions for monitoring and control. We are approaching both domestic and export market.
- ❑ The “**Area Processo**” business unit of AMPERE provides measurement’s solutions for process industry and has specialized skills and experience to sell, install and manage leak detection and monitoring systems for oil and water pipelines. We are promoting Sub Systems to perform process functions for the Food and Pharma industries, , Chemical Process, Up-Stream, Midstream and Downstream, Steel Plant with E.A.F. Arc Furnace and L.F. Furnace, and more applications.
- ❑ The “**After Sales Service**” of Ampere is based on a well fitted in-house electronic laboratory for the repair, overhaul and calibration of instruments; as well as for the assembly of customized systems. In-field installation, commissioning and repair services are also offered by Ampere to its customers all over the Country and also outside of Italy.
- ❑ Ampere “**Turn-Key Projects**” division is responsible for the Feasibility Study , Engineering , Procurement , Construction and Commissioning of the plants . This activity can be developed by internal resources or through sub suppliers’ integrators able to grant the highest quality level and high professional skills on each and every field of the required Engineering. .
- ❑ Ampere “**Mobile Substations** ”. Ampere provides a full range of services, from the trailer and transport system to the connection to the grid on site and commissioning of the whole substation. 1. Ampere can also offer professional services for conditions’ assessment that cover all the different elements and advise preventive maintenance procedures when needed. Provided services include: dielectric test via PD on-line monitoring; oil DGA to asses transformer’s health; SF6 analysis and leakage test on the GIS; medium-voltage panels and cable terminations test and PD check.



AMPERE, Your best partner for Your energy projects

- ❑ **AMPERE** business activity in **renewable energy production**, is focusing on developing, building and operating renewable sources power plants.
- ❑ **AMPERE** is active in the **Technology Research and Development field**, and supports any step of project development, including feasibility study, environmental impact evaluation study, project financing, basic and detailed engineering, fuel supply, handling and storage, up to plant operation and management through third party specialized companies.
- ❑ **AMPERE** activities in Renewable Energies are focused on:
 - . **Biomass** to energy processing
 - . **PV plants** by using latest generating technology
 - . **Solid Waste** and special wastes processing
 - . **Wind Farm** implementing different kinds of Wind Generators
 - . **Thermal Power Plants** with "**Fresnel**" solution technology
 - . **Geothermal Power Plants** and similar
- ❑ **AMPERE** areas of activities also includes :
 - . Street Lighting system solutions
 - . High Voltage /Medium Voltage Electrical Substation on AIS , Hybrid and GIS Technology for Big Industry
 - . Steel Plant & Melt Shop Power Plant
 - . Plants for Municipalities in charge to manage Electrical Energy.
 - . Cement Factories Plants
 - . Pulp and Paper Industry
 - . Oil & Gas on Upstream , Midstream and Downstream



Detailed project planning for every phase

As soon as we have found a suitable location for your installation, we will introduce the next project steps: these include negotiating a contractual agreement with the land owner, who may be either a (co-)operator or a lessor, as well as obtaining approvals from the local authority.

In addition we will organise and settle any formalities with the regional utility company. Designing and calculating the installation, as well as accurately planning its construction and operation, are core elements in the planning phase.

Together, we will draw up an investment, financing and cost plan. Profitability calculations, which include a yield simulation, will provide you with a solid basis for deciding whether or not to proceed.



Project Services:

- Design /specification: Our detailed design packages include design specifications, drawings, procedures, requirements, quality assurance requirements and material requirements.
- Project management: We will develop a realistic comprehensive plan and provide the leadership to implement the project within budget to a viable schedule.
- Mechanical engineering: Ampere provides expertise in all areas of structural and mechanical engineering relating to the power plant.
- Electrical engineering: We support all electrical design needs for the generation, transmission and distribution of electrical power.
- Control systems: Design and implementation of control systems for automation, plant monitoring and special equipment synchronization



Ampere Staff

Our team of design and field professionals including electrical engineers, mechanical engineers, computer scientists, physicists, mathematicians, and technicians embrace each project with enthusiasm and great anticipation.

The skilled staff of the Engineering, Procurement, Construction and Commissioning group has expertise in the following technical areas:

- Analytical analyses of process
- Performance optimization
- System reliability
- Operating data monitoring and reduction



Ampere turnkey projects

Energy solutions

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Bringing Power all around the World !!!