

✓ Traction battery service

Airtel offers an independent traction battery service supported by qualified well equipped personnel. We provide immediate assistance and training around traction battery systems.

Our company has created solutions for customers with no time to ensure proper operation and maintenance of batteries and chargers.

The package consists of providing a service for entrusted devices throughout the entire contract period

meaning that customer does not need to worry about the state of their equipment. As a result, cost planning associated with the service becomes much simpler.

Our personnel aim to arrive within 24 hours from the service call. We offer a full range of accessories required for servicing including battery rooms equipment, charging station installations and automatic battery charging systems.

✓ Service provided

- *Checking the batteries and chargers*
- *Battery maintenance*
- *Battery problem solving*
- *Advising on optimal solutions*
- *Cyclical expertise of battery status*
- *Selection and delivery of spare parts, as well as additional equipment for traction batteries*
- *Training in battery usage*
- *Keeping battery records*
- *Preserving the purity of the battery*
- *Training in the utilization and organizing the reception of battery scrap*



✓ Consultation and sale of traction batteries rectifiers and fleet management systems.

Airtel is providing modern traction battery solutions, rectifiers, battery life monitoring and charging systems. We offer a wide range of solutions for market leading traction systems tailored to customer's specifications. We will choose the most optimal type of battery and rectifier which will guarantee a significant reduction of purchase and exploitation cost.

In addition, use of battery fleet management and life control systems, as well as supervising the work of battery room, enables optimal usage of the battery fleet (queuing). Supervising the entire process can also reduce costs by decreasing the number of defects and by eliminating manual errors.

Li-ion batteries are our new proposition. We offer full support at projects related to these solutions, ranging from selection to testing and delivery of the batteries together with a full service package.

Airtel is providing flexible finance and investment options including battery rental service to allow our customers optimal budget planning.



AIRTEL TRACTION DEPARTMENT

Airtel traction department is providing a complex service within an area related to traction systems solutions, especially by constructing and providing a full service for battery rooms and traction batteries.

We are cooperating with market leading manufacturers promoting new energy-saving technologies, while remaining professional. In response to customer needs we are able to provide flexible finance options as well as post sale support.

We are at your disposal



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✓ Construction of battery rooms and providing of charging equipment

Our offer includes planning and constructing of battery rooms (electrical installation, ventilation, place for charging and replacement of batteries, systems for production and distribution of demineralized water, cost analysis for power consumption, systems for supervising the charging process).

Separated battery rooms are enclosed areas designed especially for battery charging. It is easier to ventilate and organize such places. With the adaptation of additional space for the battery room separate place is created for authorized personnel access only. Advantage of this solution is better control of battery charging systems which provides longer battery lifespan.



Battery rooms – charging stations. If the investor does not have enough free space dedicated for the battery room, Airtel propose the use of modular charging stations. This type of solution enables flexible selection of place, where batteries will be charged, while maintaining the required standards and restrictions. If the number of batteries rises, solution can be expanded.



✓ Design and installation of battery charging systems.

To provide safe and controlled battery charging Airtel creates a separate electrical installation, which also controls the ventilation process. This type of solution enables better estimation of costs associated with battery charging.

Full monitoring system allows a full control over the process enabling rapid response to a problem and helps to plan all tasks associated with periodic service.



✓ Design and construction of ventilation system.

It is necessary to perform appropriate ventilation to ensure appropriate conditions in rooms or areas where battery charging process takes place as adequate ventilation with hydrogen detection system eliminates the risk of explosion. Based on our experience, we design battery rooms according to PN-EN 50273-3 thereby ensuring the safety and working culture of the batteries as a power source for forklifts. Our projects are also a cost effective. Control systems and products we offer provide significantly lower power consumption and failure risk.

