

Bus Services

Tap the industry experts to ensure optimal performance for your bus system



The expertise and experience to reduce emergency events and improve performance

For over 50 years, Avail Bus Systems has been at the forefront of the design and production of isolated phase, segregated phase and non-segregated phase electrical bus systems. Through long experience developing advanced bus systems, Avail is uniquely positioned to service and maintain any manufacturer's bus system.

A wide range of services

As one of the few manufacturers providing bus systems service for both isolated phase and non-segregated phase bus systems, Avail delivers a wide range of services to ensure optimal bus system performance.

- Complete installation
- Preventive maintenance
- Emergency response
- Retrofits and upgrades
- Full line of replacement parts
- Upgrades of existing systems



The leading provider of bus service solutions

Proactive bus system maintenance ensures reliable operation that minimizes downtime and avoids unscheduled outages. Avail's long experience at the forefront of advanced bus system design and production makes us the leading provider of service solutions.

Avoid the associated issues and costs of a catastrophic failure with regular inspection, repair and maintenance from Avail bus system experts. Avail provides the world's leading bus systems expertise and experience to reduce emergency events and improved performance.



OVER **50** YEARS
AT THE FOREFRONT



The only manufacturer with a full-service installation offering

Avail is the premier partner for turnkey bus system installations. Covering a wide range of applications and environments, Avail engineered installation services are backed by a proven system and component design that are recognized as industry leaders.

Expert installation

Avail's field service technicians are available to provide expert supervision, technical services, on-the-job training, inspection and testing of all bus systems.

For additional peace of mind, systems purchased through and installed by Avail feature an extended warranty that covers a year past the equipment warranty, providing added support.



Our preventive maintenance service is available for any manufacturer's system, including our own

Avail's preventive maintenance program has been developed over decades of bus systems experience, backed by expert technicians who perform comprehensive on-site diagnostics while the system remains in service.

Reduce the risk of emergency events and outages

For vital power plant components, such as an isolated phase bus system that operates without an immediate replacement solution, preventive maintenance helps avoid unscheduled outages and downtime by making repairs before failure occurs. To help identify any potential issues, Avail conducts a detailed examination of all system components:

- Thorough visual inspection
- Advanced thermal imaging
- Diagnostic testing
- Hi-Pot Meggar testing



Avail technicians are on-call 24/7, with response capability within an hour and staff on-site within 24 hours to minimize days lost

With in-house manufacturing capabilities and extensive bus systems experience, Avail can provide exceptional turnaround times that meet and often exceed even the most demanding emergency repair needs.

The knowledge to quickly bring your plant back on line

Simply put, if operations are slowed or ceased for reasons other than an outage, it's an emergency. Avail recognizes that downtime equates to lost money, typically in millions of dollars, and our repair services are available nationwide to address issues relating to any manufacturer's bus system. Avail's capabilities as a bus manufacturer give our repair technicians a crucial advantage over service-only contractors in understanding how best to quickly bring your plant back on line.

No other provider has the full-response capabilities of Avail, all in house from your single source-partner to meet and often exceed even the most demanding emergency repair needs.



Avail's experienced technicians can assist with every step of the process, including system evaluation and solution recommendations

As the leading manufacturer and installer of bus systems, Avail is uniquely qualified to provide connections for transformer replacements, whether scheduled or not.

We provide engineering, design, manufacturing and installation services

- New terminations
- High amperage Isolated Phase Bus (IPB) connections to the new bushings
- New short runs of IPB
- Anti-vibration connections
- Possible structural modifications
- New flex connectors

For the best results, coordinate your transformer replacement with the Avail Preventive Maintenance program. Rather than risk connecting your new transformer up to a bus system that has not recently been inspected or maintained, call an Avail Bus Specialist to ensure it is functioning properly.



Protect your bus systems and your staff with a retrofitted dry air condensation control system from Avail

The dry air system supplies a continuous flow of clean, dry air through the bus enclosure to effectively prevent condensation and ensure safe, reliable bus system operation.

A continuous flow of clean, dry air

Condensation can build up inside an electrical bus system due to a number of factors, from poor installation or a design flaw to high-humidity climate or heating system failure. Over time, this moisture initiates corona activity, which can be accelerated by the build-up of ionized air in an enclosed space or space with no air movement. The result could be a catastrophic failure or fault, leading to unplanned outages, expensive equipment replacement and safety risks to personnel.



Providing solutions for your specific cooling needs

Avail prides itself as the only IPB manufacturer that can design, build and install our own Forced Air Cooling (FAC) units. This commitment to complete service is key, as this comprehensive expertise allows for a single point of contact throughout the project.

Engineered to your specific requirements

An engineering analysis of the system will be performed to fully understand the current capacity of your equipment and identify any areas that need to be addressed for the specified uprate. We ensure that each step of the project is performed to all specifications. From owner preferences to the required standards, Avail can provide the complete design, installation, and service solution.



Complete analysis for bus duct systems

As a bus systems manufacturer, Avail is uniquely qualified to provide a complete analysis to assist in determining the best course of action: from the introduction of Forced Air Cooling (FAC) packages and upgrades to necessary systems replacement.

Avail is uniquely qualified to assist

Since each power uprate project is unique, options for the modification or replacement of equipment and systems vary for each generating facility. Avail realizes there is no "one-size-fits-all" approach and works with each customer to determine the optimum upgrade strategy for their specific bus system. We finalize our findings in a report, inclusive of:

- Field Measurements
- Calculations
- CFD Model Analysis
- Costs
- Recommendations



Avail offers a full line of replacement and upgrade parts to support any manufacturer's electrical bus system

Whether a system is down for routine maintenance or an unexpected outage, having critical parts on hand saves time and could mean the difference between a small issue and major problem.

A full line of parts

- Flexible connectors
- Copper or aluminum bars
- Bellows
- Insulators
- Termination boots
- Hardware

In the event of a critical outage, Avail may provide 24-hour turnaround so you can get the parts you need, when you need them most.

For added convenience, replacement parts can be ordered online at availinfra.com/bus-systems-replacement-parts.





availinfra.com/bus-services

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