

Reasons to Package your Plant

advantages for everyone



Advantages for Facility Owners, for Consulting Engineers, for Contractors and for The Planet.



REDUCES COST, TIME and RISK ACROSS DISCIPLINES

Pre-engineered packaging reduces the cost and risk of maintaining engineering intent through construction and final commissioning. It is the most efficient and direct way of properly integrating all the plant equipment, meeting all the nuances of highly optimized efficiency across brands, types, functions and controls. EnviroSep's experience assures that customers may achieve their boldest energy and TCO objectives.

COMBINES DESIGN and CONSTRUCTION. INCREASES VALUE

By integrating the engineering details of the plant with its layout, construction and deployment, overall time and cost are reduced, some estimate up to 30%. Packaging is a more sure path to obtaining maximum initial value and long term results, and ready on time. Being self contained and controlled, automatic optimization and free-cooling is more reliable, delivering better seasonal and long term energy efficiency.

ENABLES COMPRESSED CONSTRUCTION SCHEDULES

Because the entire plant is delivered as complete modules, site coordination is greatly simplified and faster, being reduced to assuring the concrete, electrical and connective piping is ready just before EnviroSep modules arrive. Your engineers and general contractors will agree that there is much less site coordination, so mechanical contractors can concentrate on higher value tasks that can only be performed on site.

DIRECT SINGLE-SOURCE COMMUNICATIONS

Single source efficiency in communications, documentation, knowledge transfer and support is always more efficient and less costly than coordinating details among a number of independent contractors and their subs. Delays caused by inter-company hiccups are eliminated, resulting in a higher probability of meeting project time lines.

FREES EXPENSIVE INTERIOR SPACE and IS LESS NOISY

Enables placing large noisy equipment in self contained, low noise, compact engineered buildings, freeing up expensive and noise sensitive indoor space. Modules allow easier access in less space.

REDUCES UNKNOWN INTEGRATING COMPLEX EQUIPMENT

Pre-engineered plants reduce the unknowns that occur between disciplines in field built systems. System piping and VSD controls for the chillers, boilers, pumps, tower fans and steam systems are always correct for fluid velocities, pressure drops and manufacturers specifications. This is always met with pre-engineered plants and often less optimized in plant room implementations. This is especially important for high efficiency packages to assure energy efficiency targets are met and maintained. The entire EnviroSep plant is UL Listed, not just components.

REDUCES ENGINEERING COMPLEXITY, TASKS and COSTS

Modular or pre-engineered central plants offer an attractive alternative to field-constructed mechanical rooms. It simplifies everything from concept to engineering layouts and final integration. Single point UL electrical and plumbing simplifies site work. Pre engineered modules are invariably more compact than most other approaches. Modular plants enable phased facility expansions. EnviroSep quality of work provides high assurance in achieving facility energy and maintenance goals.

