



Sustainability

The Energy Information Administration states that emissions from the transportation sector are the largest source of energy related carbon dioxide release in the United States, and is an increasing concern around the world. Transportation alternatives are an important factor in reducing these emissions and will also contribute to healthier lifestyles.

Secure bicycle parking units can reduce single-occupancy motor vehicle trips by encouraging cycling as a primary means of travel. They can reduce demand for additional parking spaces as well as reduce parking problems, and the cost for secure bicycle parking is much lower than the cost of vehicle parking. In addition, CycleSafe [bicycle lockers](#) and racks can be easily relocated as needed. They require no maintenance and have an estimated life cycle of 50 years or more which reduces the overall amount of materials used.

CycleSafe seeks out the most environmentally friendly techniques for its manufacturing processes. This includes closed compression molding technology which is the cleanest fiberglass molding method available. Spray molding, as well as other open molding methods, is a cheaper alternative but results in a weaker composite that varies in its thickness and has a high level of toxic air emissions. The Polyester SMC manufacturing process also takes less energy than metal or thermoplastic production. Production waste is also minimized by eliminating the need for trimming. SMC waste can also be recycled through the SMC Automotive Alliance for use in other products.

To finish the products, CycleSafe lockers are coated with a low-VOC electrostatic polyurethane finish. [U2[®] bicycle racks](#) and Bike Check event racks are dipped in a plastisol coating to prevent material waste during production and after, by preserving the integrity of the steel and prolonging the life of the rack indefinitely. The plastisol coating is heated at a very low temperature during production for minimal air emissions. Vintage[®] racks and Wall Racks are coated with a polyester powder coat finish, which is considered the most environmentally friendly with zero VOC emissions. The coating is very durable to extend the life cycle and decrease the maintenance needs of the racks as well.

In addition to the low energy, low-emission production processes, CycleSafe employs local suppliers, manufacturers and distributors for all products. The composite material used to make the lockers is compounded at the same plant that performs the molding. OSB panels are manufactured at local mills from managed forests of small diameter, fast-growing aspen and poplar trees in northern Michigan. All steel products and stainless fasteners are from regional suppliers. Local corrugators are used to supply packaging materials and shipping pallets are made locally. All corrugated packaging and dunnage blocks are made from recycled material and pallets are reusable and biodegradable. All of CycleSafe's facilities meet air quality standards and enforce environmental policies.

CycleSafe, Inc. will continually strive to provide a more sustainable world for future generations through innovative products, cleaner manufacturing processes, and social activism. Promoting safe and secure cycling is the cornerstone of our mission to provide social awareness for cyclists and enhance the environment upon which we all depend.