

# Delivering Sustainable Buildings for our Clients

Gilbane Building Company is committed to sustainability in both our internal business practices and in the services we offer to our clients, with an overarching goal of eliminating waste, reducing pollution, promoting recycling, utilizing repurposed materials, and increasing energy efficiency to reduce our carbon footprint.

## Carbon Reduction through Material Selection

We deploy strategies for reducing carbon through smart building material selections, starting with life cycle assessments (LCAs) of building materials. Our project teams utilize LCAs to compare products determining their expected life span, functional equivalence, and quantitatively compare individual materials based on their environmental impacts, including material versus operational carbon savings.

Product databases are utilized to gather the environmental attributes associated with the various building materials. This information is then used to evaluate the materials' embodied carbon. By looking at individual building material types, we are able to assess the available options and maximize the reduction of embodied carbon associated with the various specified building materials, which results in the overall reduction for the building.

