

Danuser Machine Company Office Building Addition



LOCATION

Fulton, Missouri

DESCRIPTION

11,080 sf office building connected to existing factory

COMPLETION DATE

Est. Winter 2017

CONSTRUCTION COST

Estimated to be \$2.4 Million

CLIENT REFERENCE

Gary Niekamp, Chief Engineer
573-642-2246

CONTRACTOR REFERENCE

Professional Contractors & Engineers - Wade Horn
573-442-1113

Danuser is a family owned manufacturing business that has been in Fulton for over 100 years. They chose SOA to design an office building that will serve them for the next 100 years. The company's history is featured throughout the building by integrating design elements such as a salvaged beam crane, owner fabricated decorative steel panels, and display areas to showcase key historical items. The new office building connects to the existing manufacturing area and integrates with the owner's business and site planning as phase two of their three phase long-term business expansion plan.

The central part of the building features a taller, daylit clerestory structure that also acts as the entry. SOA's digital building model helped the client to decide on clear glazing in this space (instead of frosted) through daylight simulation videos at different times of the year. The office spaces consist of flexible open office areas ringed by private offices and conference rooms. A transition area from the existing manufacturing shop into the cafeteria promotes office and manufacturing staff interaction. The cafeteria is designed to accommodate many people quickly moving through the area, but also expands (via glazed overhead doors) to create an area large enough for training and special events.

In order to hone in on desired design elements, SOA not only created a 'Vision Tour' of building images, but also visited area buildings, designed by SOA and other firms, with the client. This thorough research combined with building information modelling (including architectural, structural, civil, and MEP systems) enabled the owner to make informed design decisions. Additionally, it allowed SOA and Danuser to coordinate on several building components, so that they can manufacture these featured elements themselves.

Owing to its "continuous insulation" system, geothermal HVAC, and LED lighting, the building is highly energy efficient.

