

Did you know that the way we construct buildings has evolved little over the past century?

The Next Generation of Construction

Our buildings are more efficient and safer. We have new tools to aid in construction efforts and have consolidated some materials into systems. But overall, materials and construction techniques have changed only nominally. Because today's economic and business environments are demanding changes, there are advancements that will become more common on construction projects. Here we've identified the top three areas of construction industry innovation for 2019.

1. Growth of off-site construction.

Commonly referred to [pre-fabrication](#), this involves the construction of units, including everything from piping and equipment skids to entire room units, in an off-site manufacturing environment.

2. Greater utilization of 3D printing on our jobsites.

[3D printing](#) is being widely used for the creation of parts and materials in manufacturing facilities. Wall systems, flooring materials and several smaller components can all be produced via 3D printing on a site.

3. More automation on the jobsite.

Continued improvements in [artificial intelligence](#) and robotics will allow machines to perform more functions now being performed by human labor. Imagine robots welding together steel beams and columns on a high-rise or pouring foundations for a warehouse.

A M King

is an integrated Design-Build firm based in Charlotte, NC that consistently and successfully delivers quality projects throughout the United States.

