

# ENR

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CONTRACTORS

## TOP 600 SPECIALTY CONTRACTORS

FIRMS SCRAMBLE TO PROTECT THEIR BUSINESSES AND THEIR EMPLOYEES (P. 53)



Nº 520  
Nº 521  
Nº 522

Specialty equipment is helping streamline the safe, efficient demolition of structures from hotels to hospitals and bridges to office buildings with environmental care.

PHOTO: COURTESY OF ADAMO GROUP

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Demolition & Recycling Today

# The Rise of Deconstruction

The sector transitions to decrease waste and increase reusable materials

By Vicki Speed

## WHAT'S INSIDE

- ◆ End-Market Challenges & Regulatory Adjustments
- ◆ Deconstructing a Drill Rig in an Arctic Environment
- ◆ Virtual Look Aids Selective Demolition of a Stadium
- ◆ Cleaning and Clearing Space for an Advanced Medical Campus
- ◆ Reworking an Automotive Facility to Accommodate New Era of Electric Vehicles

## Virtual Look Aids Selective Demolition of Basketball Stadium

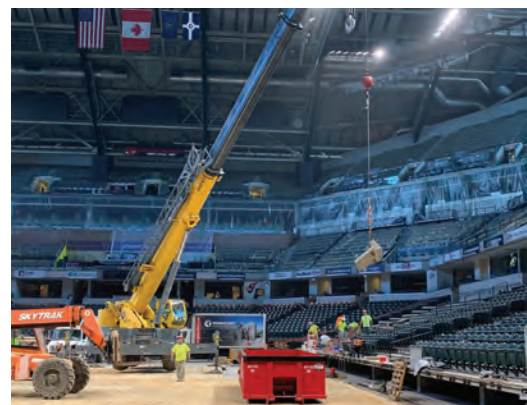
The \$360-million renovation of **Bankers Life Fieldhouse**, home of the NBA's Indiana Pacers and the WNBA's Indiana Fever, in Indianapolis includes new locker rooms, media space, seating, suites, clubs and lounge areas.

Timely and detailed success is heavily dependent on the selective demolition undertaken by Renascent. To ensure client confidence, Renascent created a detailed 3D model of the existing facility to demonstrate how people, processes and equipment would go about removing the old in preparation for the new.

Rick Hall, senior project manager at Renascent, says, "Our ability to demonstrate a complete understanding of the demolition scope and the method to accomplish it was a primary factor in our winning the contract work."

For instance, the project team was able to virtually demonstrate how equipment would be used to work around and/or remove the large cast-in-place concrete beams and rakers supporting the upper seating decks. At times, slab saws were used in conjunction with a crane to pick off large cut sections. Conversely, it was advantageous to cut using hydro demolition equipment in conjunction with a demolition robot. A fleet of telehandlers, skid loaders, lifts and similar equipment have also been used.

Clarity of the demolition scope also helped better communicate and coordinate Renascent's ability to navigate a very aggressive schedule that initially included recurring double shift work for the project duration. Because Renascent clearly understood its scope, there were



Selective demolition helped prepare the Bankers Life Fieldhouse for modernization.

only a few instances where additional night shift work was required. Benefit was still recognized even with revised schedules due to changes forced by the pandemic.

To date, the project team has recycled approximately 75% of the material hauled out of the arena. The project, which started in February, is anticipated to be complete in October 2020. ♦

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# RENASCENT

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In addition to complete structural demolition, Renascent is also fully capable of precise selective demolition, like this project at the home of the Indiana Pacers, Bankers Life Fieldhouse.