



Applications & Innovations

July 2017

In this edition...

- [Precast pipes... not just for drainage](#)
- [Hitting home runs with precast](#)
- [Photographic splendour with precast](#)
- [From demo, to done in 1/6 of the time](#)
- [New headquarters demands the best](#)
- [Precast concrete—it's electric](#)
- [The secret recipe to stronger, greener concrete](#)
- [Are the cracks beginning to show? They aren't with bendable concrete](#)
- [3D laser scan reveals everything you want to know](#)
- [The future of concrete](#)

Applications



Precast pipes... not just for drainage

17 large precast concrete pipes have been used to form unique interior architecture at Prahran Hotel in Melbourne. The pipe facade creates a great visual connection between the interior space and the street outside.

[Read more](#)

1

Hitting home runs with precast

The underground rainwater detention system at a baseball stadium in Georgia (US) features durable precast concrete. Saving more than six weeks' in the project timeline, the precast solution has been a major win for the home team. [Read more](#)





Photographic splendour with precast

A 744-metre sq. architectural precast concrete wall takes the spotlight at the new headquarters for SC Johnson. The wall features images of palm trees that have been etched into the surface of the precast panels with graphic concrete.

[Read more](#)

From demo, to done in 1/6 of a time

The Interstate 78 project in Pennsylvania (US) was completed in 8.5 months, instead of four years, thanks to the use of an innovative precast concrete construction solution.

[Read more](#)



New headquarters demands the best

When embarking on an expansion of its headquarters this precaster's focus was on the environment and its employees. When it came to making its vision possible, there was only one answer: precast concrete.

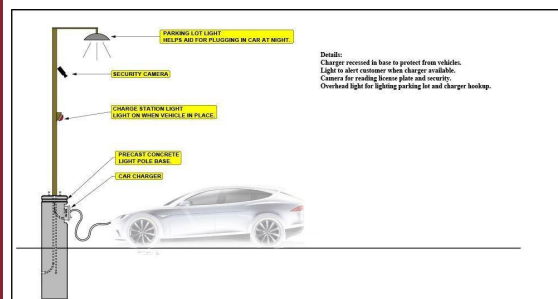
[Read more](#)

Innovations

Precast concrete—it's electric

What's the problem with electric cars? There aren't enough chargers. A solution involves adding chargers to precast concrete light pole bases that are already being manufactured.

[Read more](#)





The secret recipe to stronger, greener concrete

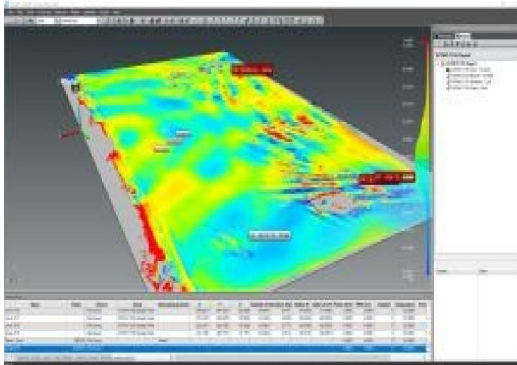
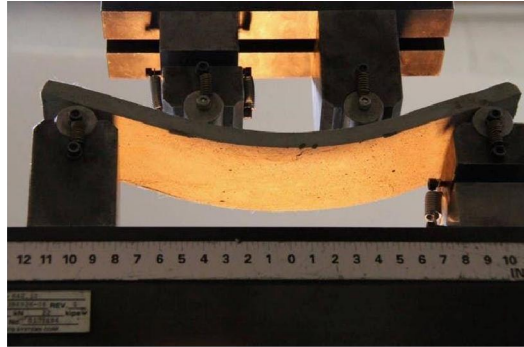
Scientists have created a new concrete that incorporates graphene in the mix to make it stronger, more water-resistant, and ecofriendly.

[Read more](#)

Are the cracks beginning to show?
They aren't with bendable concrete

The University of Michigan (US) has manufactured a ductile concrete—that is, bendable without fracturing. The product's design could make infrastructure safer, more durable, and reduce maintenance costs.

[Read more](#)



3D laser scan reveals everything you want to know

3D laser scan reveals a complete digital image of any structure before, during, and after construction. When 'stitched together' a series of images reveals everything about the building, including how closely it conforms to what was specified in the contract.

[Read more](#)

The future of concrete

The American Concrete Institute's Strategic Development Council plans to take on the future of concrete. Their ultimate goal is to expand the market, improve quality, and to make concrete design and construction more competitive.

[Read more](#)

