



Technology Corner Profile

Low productivity and a low digitization rate have sparked an influx of new technology being developed, which has the potential to make a profound impact on the risks involved on construction projects and within asset management such as safety risk and design risk. Aon understands that this trend may be of interest to our clients and has created the Technology Corner to profile different construction technology and asset management companies. Each profile gives an overview of the technology, addresses its risk treatment potential, and identifies what insurance policies its implementation could impact. Our goal is multi-faceted to raise awareness about leading construction and asset management technologies that could help reduce risk on site for the purposes of educating our clients and the insurance markets.

Product Description

Pontarolo Engineering®, with its patented Cupolex structural void space technologies and applications, converts risk-driving impervious spaces into resilient assets. By manipulating the geometry of concrete through Cupolex's form-based approach, Pontarolo Engineering's design and engineering approach brings a unique set of additional performance functions to any construction project with limitless applications. Next to cost-benefits for our clients, Cupolex projects bring a set of ecological, social, and municipal benefits by integrating risk-reducing functions, such as storm water capture and management, structural soil cells for flood mitigation and green infrastructure to combat urban heat.

Benefits

3 key benefits associated with Pontarolo Engineering's solutions include:



Urban Resilience

Pontarolo Engineering converts impervious spaces into resilient assets. From parking lots to plazas, sidewalks to highways, Pontarolo gives these spaces additional resilient performance qualities.



Resilient Infrastructure

Pontarolo Engineering reduces risk of transportation assets (LRT, airports and BRT, bike lanes), by integrating Cupolex in lines, streets, parking areas and sidewalks.

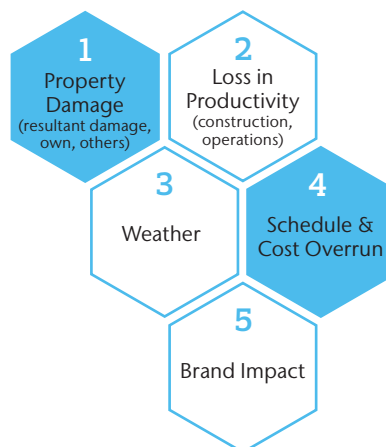


Sustainable Construction

Cupolex structural void space construction solutions bring significant cost savings by using less concrete, gravel and aggregates, reduces GHGs emissions and increase implementation times.

Risks Treated

Key risks mitigated by Pontarolo's Cupolex solutions include:



**PONTAROLO®
ENGINEERING**

Company Profile

Pontarolo Engineering Inc.

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CEO/Founder

William J. Cannizzaro

Category

Engineering Solutions

Website

www.cupolex.com

Location

Global

Impacted Insurance Policies

Policies that will be positively impacted by Pontarolo's Cupolex solutions:

- ▶ Property Insurances
- ▶ Liability Insurances (operations)
- ▶ Residual Value Insurances
- ▶ Construction All Risk / Builder's Risk
- ▶ Cost Overrun & Liquid Damages
- ▶ Weather Insurance
- ▶ Warranty Insurance

Comments from the CEO

"With over 50 years of experience, Pontarolo Engineering is the leading plastic dome forming manufacturer in the world. We continuously strive to reinvent ourselves, specifically with concrete dome geometry technology, sustainable building innovations and resilient engineering solutions. Our team is passionate about helping our customers succeed and we make every effort to understand their business and projects. By understanding the dynamics of their businesses and projects, we deliver innovative value engineering design and solutions to solve the building challenges that our clients face every day. Across our organization, achieving customer intimacy is our leading principle. We thrive on becoming the partner of choice." – **William J. Cannizzaro, CEO**

**We're here to
empower results**

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