

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

ClimaCell is pioneering an approach we call the “Weather of Things” - where we use existing infrastructure like cell signal interference, connected cars and airplane sensors to generate millions of proprietary weather observations around the globe, each day. By assimilating these IoT data points into proprietary forecasting models and combining them with traditional weather sources like government radars, we output street-level, highly granular nowcasts and forecasts, updated minute-by-minute. We call this MicroWeather — which we deliver to operations-focused clients through a web-based user interface (HyperCast) and to data-focused clients via API.

Benefits

3 key benefits associated with ClimaCell include:



Productivity

Automatic logging of weather conditions into the daily log via ClimaCell's API saves a manual task and functions as the one source of weather truth across projects, for example in solving Liquidated Damages disputes.



Safety

Lightning, high winds, precipitation and extreme temperatures can create job-site hazards for crews and equipment. ClimaCell's weather alerting system helps operators mitigate and manage these risks with advance warnings at the site level.

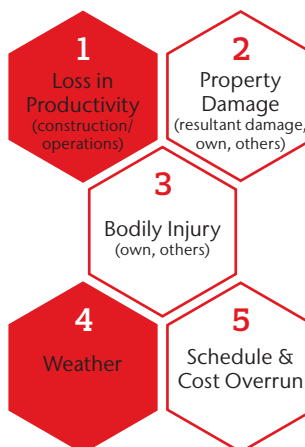


Budget

Labor makes up 20–30% of project costs, which can be stretched into significant overrun due to delays. HyperCast gives the granularity to make binary “go-no go” shift decisions, avoiding mistaken cancellations and minimizing missed shifts due to faulty forecasts.

Risks Treated

Key risks mitigated by ClimaCell include:



Company Profile

ClimaCell

280 Summer Street
Boston, MA 02210

CEO/Founder

Shimon Elkabetz (CEO, co-founder),
Rei Goffer (Chief Strategy Officer,
Co-founder), Itai Zlotnik (Chief
Customer Officer)

Category

IoT Wireless sensors,
Machine Learning

Website

<https://www.climacell.co/>

Location

We are a global company with
offices in the US (Boston, MA and
Boulder, CO) and Tel Aviv, Israel

Impacted Insurance Policies

Insurance policies that will be positively impacted by ClimaCell:

- Construction All Risk/Builder's Risk
- Wrap-up/Workers Compensation/Employer Liability
- Cost Overrun/Liquid Damages
- General Liability/Workers Compensation/Employer Liability
- Weather Insurance
- Property Insurances
- Environmental Liability
- Liability Insurances (operations)

Comments from the Founder

ClimaCell CEO and co-founder Shimon Elkabetz says that since weather impacts everything, nearly everything can serve as a sensor that tells us about weather that is not 'seen' by traditional sources. To predict the weather, you need to have observations and you need to have models. Currently, the entire industry is basically repackaging the data and models of the government, which are built at the national level; by contrast, ClimaCell's unique approach allows us to forecast MicroWeather at the asset or construction site level, updated minute by minute.

**We're here to
empower results**

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