



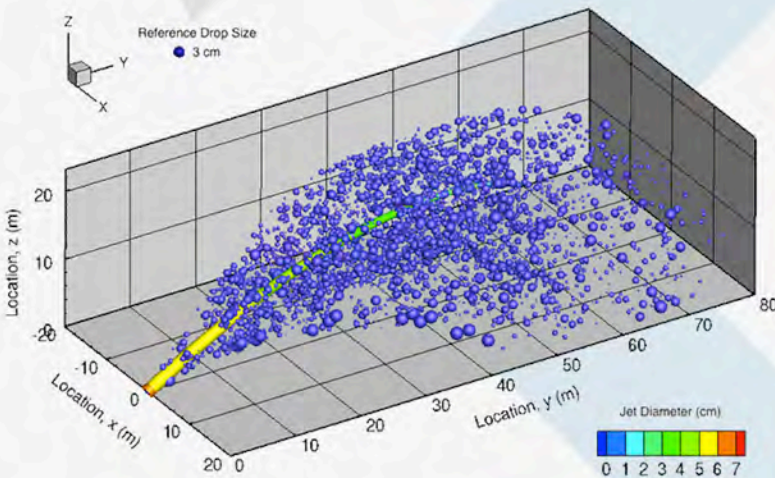
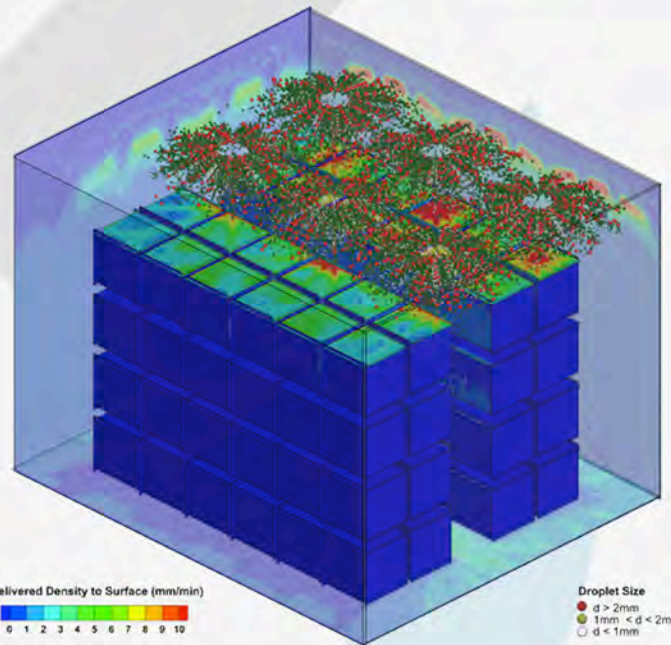
CUSTOM SPRAY SOLUTIONS

Custom Spray Solutions is focused on the "business" end of spray systems. We recognize that once the water leaves the nozzle very little is known about it. That is why we have dedicated over 10 years of research and millions of dollars to solving this problem, resulting in the development of bleeding edge measurement and predictive tools.

CSS can provide detailed analysis of spray systems that are required for warehouses, industrial and manufacturing facilities. We can accurately model where the water is going to go and whether the coverage is adequate.

Based on this we can optimize a system to ensure that all the areas requiring water are receiving it and that excess water is kept to a minimum.

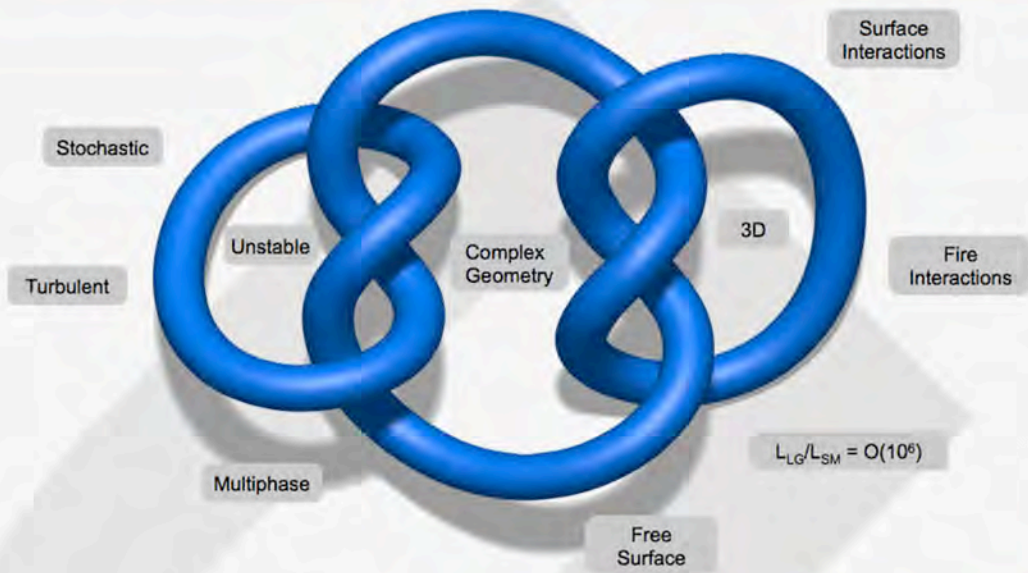
The advantage of our proprietary characterization and modeling tools is that a true performance based design can be carried out with confidence, knowing that you are getting What you need Where you need it.



We have extended our capabilities beyond sprays and can also model hose streams. This means that accurate prediction of hose stream performance is possible, even when taking into account wind effects and obstacles. Now simply by characterizing a hose stream you can be assured that your system will meet your needs and live up to your expectations. Whether you have a refinery, tank farm, chemical plant, or any other industrial facility we can help.

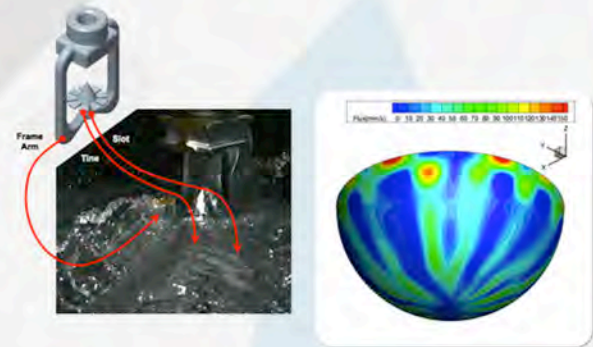
What you Need Where you Need It
www.customspraysolutions.com

We take the complex knot of spray science and unravel it so that it can be quickly modeled and analyzed



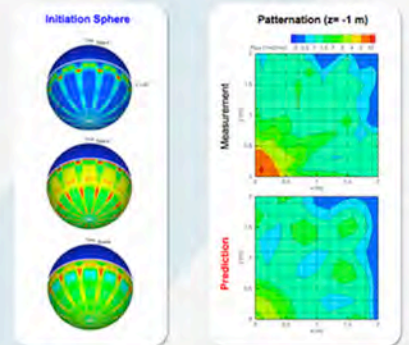
MEASURE

At the core of our capability is a revolutionary device (the Spatially-resolved Spray Scanning System - SSSS) that measures, once and for all, the spray generated in complex nozzles such as a sprinkler head. Detailed scans can be generated for any commercial nozzle or sprinkler to capture the actual spray generated at the nozzle. This information then can feed into the analysis to evaluate the dispersion and wetting performance of a spray system.



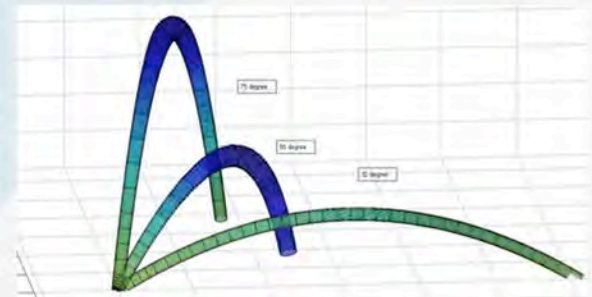
PREDICT

Using our revolutionary measurement capabilities and our years of research we are able to accurately predict the characteristics of the spray. Thus we can predict the droplet size, trajectory, and velocity. Each of these is critical in order to be able to understand and predict the performance of a nozzle.



MODEL

Our new software allows, for the first time, visualization of detailed spray patterns, spray dispersion, and wetting performance in complex building configurations. The software will also provide real-time evaluation of changes to system design parameters (e.g. number of heads activated, injection pressure, and sprinkler spacing).



SOLUTION

Using our revolutionary tools we can develop custom optimized solutions, ensuring that your money is well spent and your personnel and assets are protected.