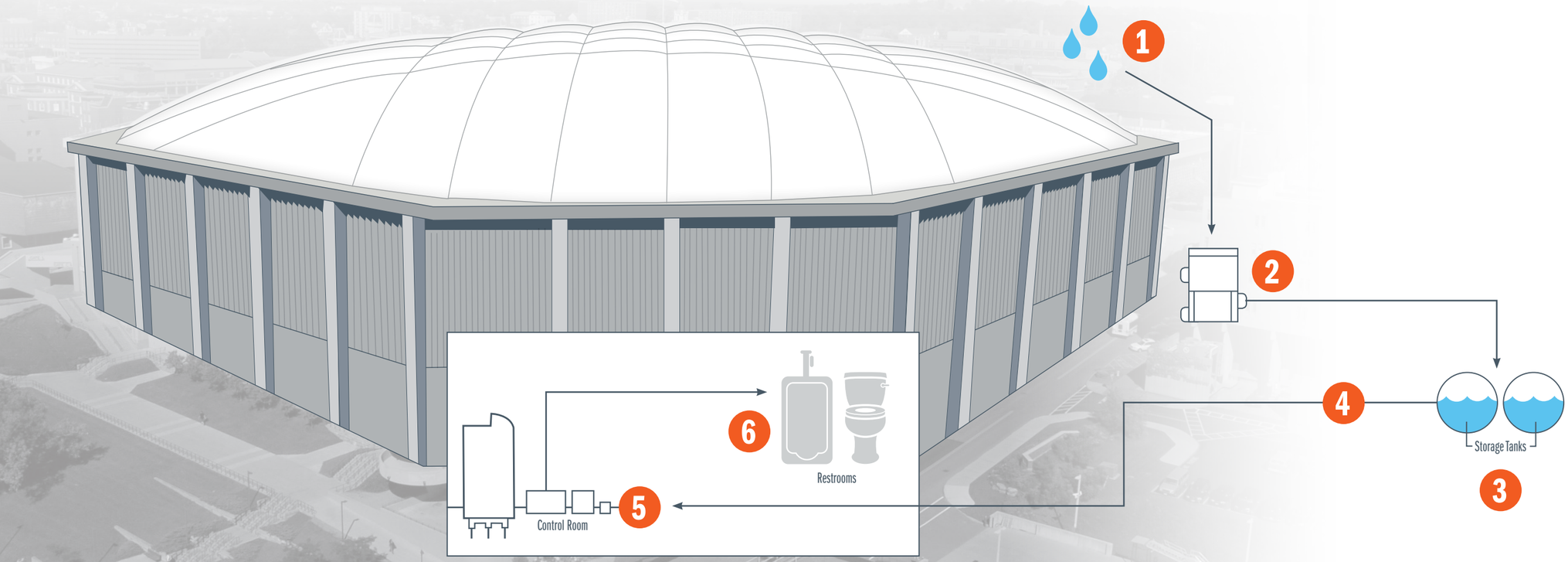
A LITTLE RAIN GOES A LONG WAY

THE CARRIER DOME RECYCLES RAINWATER

The Carrier Dome is now the only stadium dome in the U.S. with a rainwater harvesting system. Conceived by Syracuse University alumnus Bruce Wanlass, '82, and headed by the Syracuse-based engineering consulting firm C&S Companies, the green infrastructure is a monumental step toward SU's environmental sustainability.

HOW IT WORKS:

1. Rainwater runs from rooftop drains to a single point of discharge.
2. A vortex filter removes large and fine debris.
3. The filtered water goes to underground storage tanks.
4. A floating filter and pump extract the water from the tanks and send it to a storage tank in the control room.
5. The water is filtered one more time and pumped to the restrooms.
6. The harvested rainwater can now be used to flush toilets and urinals.



FAST STATS:

64%

OF ROOF RUNOFF WILL BE USED TO FLUSH TOILETS AND URINALS

ENOUGH RAINWATER AND SNOWMELT RUNS OFF THE DOME'S 7-ACRE ROOF EACH YEAR TO FILL

10 OLYMPIC-SIZED SWIMMING POOLS

AVAILABLE RAINFALL (IN GALLONS)

6.65M / YEAR
550K / MONTH
128K / WEEK

MEASURED USAGE (IN GALLONS)

2/

PER DOME EVENT