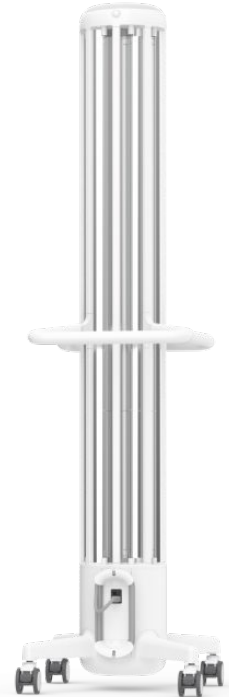
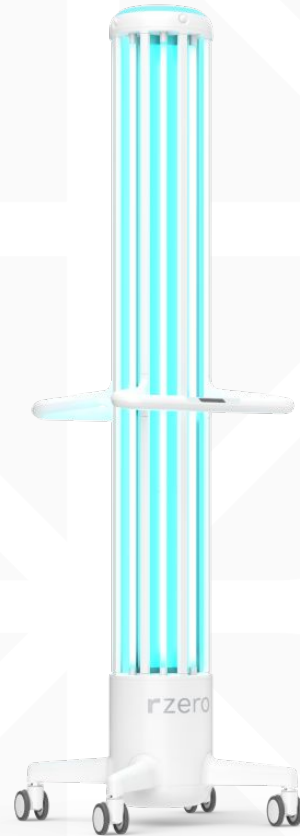


# rzero

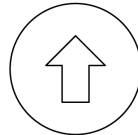
**Cost-Effective and  
Sustainable Ways of  
Designing a Safer Campus**





# R-Zero. Because we all need a new normal.

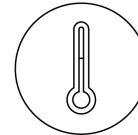
COVID-19 exposed how vulnerable we are to infectious diseases. But the challenge is bigger than the coronavirus alone. When it comes to infection prevention, we need a new normal.



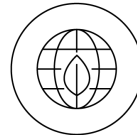
**Increase  
trust and  
confidence**



**Protect students  
and staff**

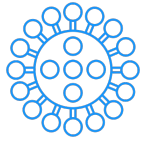


**Reduce  
sick days**



**Environmentally  
friendly**

Before COVID-19, 40M Americans caught the flu each year and we accepted this as normal.



40M

**INFLUENZA**

Impacts 40 million Americans every year



1M

**HAIs**

Occur across health care every year



21M

**NOROVIRUS**

Impacts 21 million Americans every year



265K

**E. COLI**

Impacts 265 thousand Americans every year<sup>3</sup>



100K

**STAPH INFECTIONS**

Impact 100 thousand Americans every year

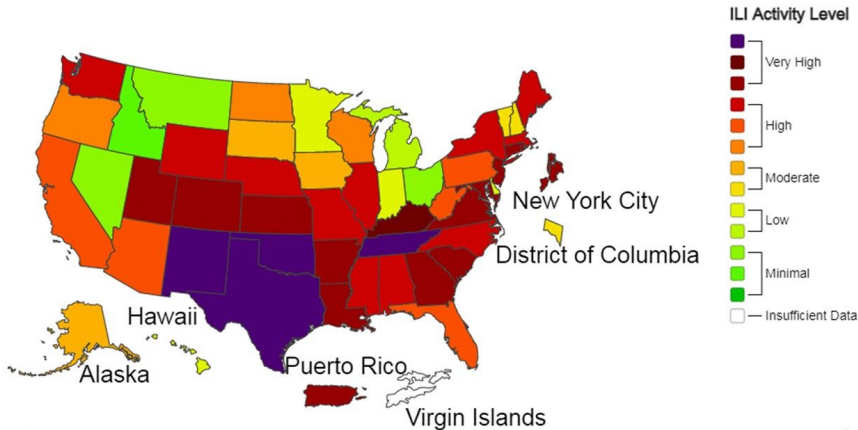


# But while fighting Coronavirus, we've proven we can wipe out the flu.

## Flu Cases Before Coronavirus

### A Weekly Influenza Surveillance Report Prepared by the Influenza Division

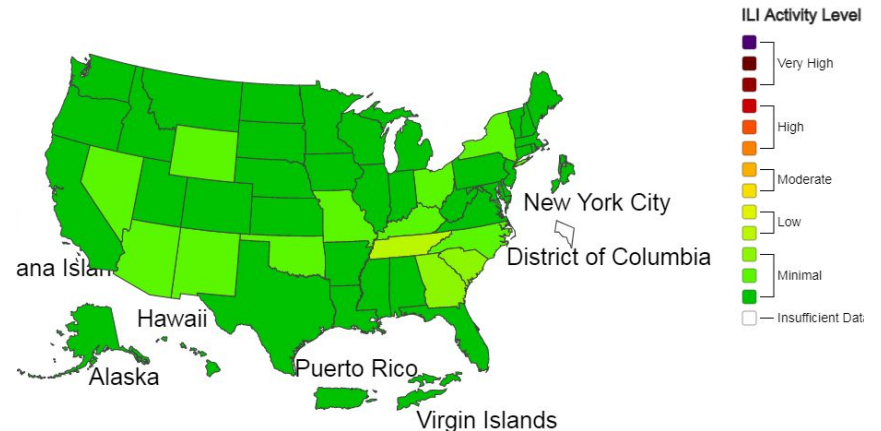
Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2019-20 Influenza Season Week 3 ending Jan 18, 2020



## Flu Cases During Coronavirus

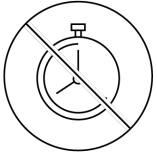
### A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2020-21 Influenza Season Week 2 ending Jan 16, 2021



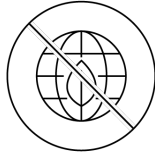


# The pandemic exposed the flaws of antiquated disinfection



## Inefficient

A Clorox study found that hospital disinfection through wiping surfaces cleaned only 50% of surfaces (even with trained staff).



## Unsustainable

Disinfecting buildings means thousands of gallons of chemicals per year.



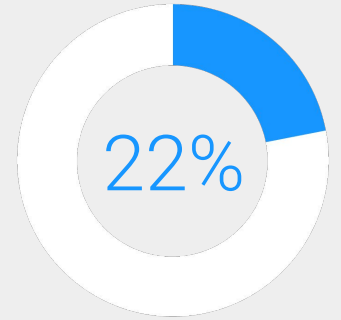
## Dangerous

Errors in dilution, mixing, and application of chemicals can result in respiratory issues, skin and eye damage, asthma, lung disease, and more.



## Manual

On average, 87% of manual disinfection costs are labor related.



Nurses who used disinfectants at least once a week for 8 years saw their risk of developing COPD, the third leading cause of death in the US, rise by 22 percent



UV-C has been the leading disinfection solution for the highest risk environments, hospitals, since the 1950s.

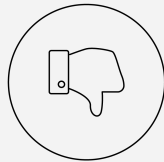
It hasn't crossed the chasm to non-medical applications for the following reasons...



**Expense**



**Previous  
non-medical  
options were  
ineffective**



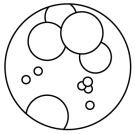
**Poor user  
experience**



# Meet R-Zero Arc

An IoT-enabled whole room UV-C disinfection system that is more powerful than medical devices, but affordable for non-medical businesses.

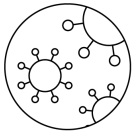
Destroys over 99.99% of pathogens in a 1,000 ft<sup>2</sup> room in just 7 minutes



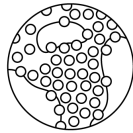
>99.99%  
MRSA



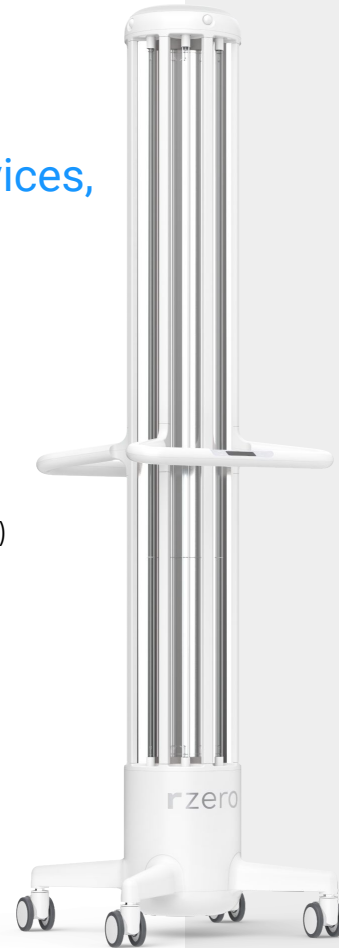
>99.99%  
Escherichia Coli (E. Coli)



>99.99%  
Human Coronavirus



>99.99%  
Feline Calicivirus



Smart disinfection technologies like Arc will be the future of how we ensure safety across indoor spaces.



**Efficacy**



**Sustainability**



**Visibility and Data Driven Insights**



**Cost Savings**





# Easy, Actionable Protocols

Integrates **seamlessly** into **custodial workflows**.

Arc's 4-button system is easy to use and R-Zero supports your staff with in-person training.



## Easy to move

It's lightweight, nimble, and has a low center of gravity, so it's easy to move from one room to the next.



## Easy to use

Starts with the push of a button



## Highly efficient

With less than two minutes of touch time required per cycle, staff can work in one room while Arc is cleaning another.



## Makes invisible visible

With built in connectivity, facility managers can check usage and manage devices from anywhere.



# Software & Analytics Make the Invisible Disinfection Process, Visible

The R-Zero Cloud enables users to check usage and manage devices anytime and anywhere, creating an audit trail of disinfection activities



## Compliance

Enable managers to check if the UV-C device is being run at the correct frequency.



## Mobile App

Collect location-based usage data and provide reminders and checklists.



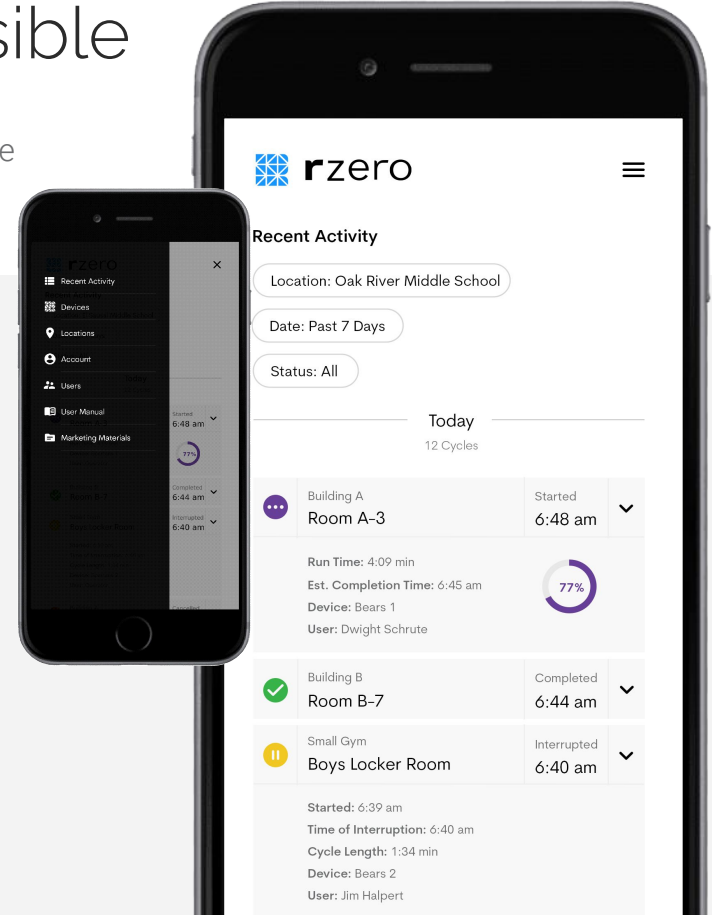
## Community

Reassure community that the best cleaning solutions are implemented consistently.



## Maintenance

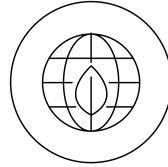
Provide bulb cycle count and hour count, as well as bulb replacement notifications.



# Safer and Higher ROI than Alternatives



Safer and less expensive than **spraying**.



A better way to disinfect than **chemicals**.

## ARC vs SPRAYERS

### Health Benefits

- No harmful chemicals / No aerosolized bleach that causes asthma / No diluted pesticides / No irritating vapors - eyes, nose, throat, lungs, skin -
- Enter the room immediately after the cycle (vs up to 3 hour wait before it's safe to enter again)
- Safe to use around food, toys and shared objects and equipment like musical instruments and computers

### Cost Effective

- No chemical refills nor PPE required for operators
- ~30% labor savings (1 min touchtime for Arc vs > 10 mins for spraying the room)
- Savings from reduced sick days (staff and students)

## ARC vs SCHOOL CHEMICAL WIPE DOWNS

### Health Benefits

- No poor indoor air quality due to chemicals that may cause cancer, reproductive disorders, and respiratory ailments
- Higher efficacy: manual wipes misses up to 50% of surfaces even in hospital audit environment
- Effective against airborne pathogens (e.g. coronavirus)

### Cost Effective

- No variable chemical costs
- Labor savings (1 min touchtime for Arc vs > 15 mins for spraying the room)
- Software to measure compliance (vs manual wiping)
- Savings from reduced sick days (staff and students)



# Select R-Zero Customers

## MEDICAL



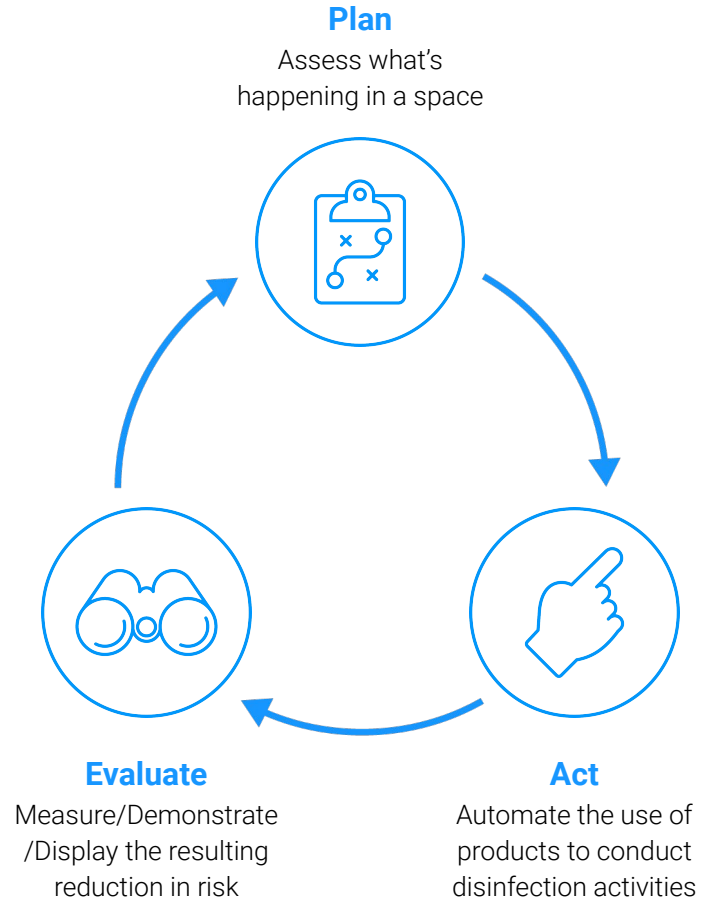
## EDUCATION



## GOVERNMENT



The world today needs a closed-loop disinfection system, that provides data



# rzero

is at the forefront of UV-C  
innovation to sustainably  
reduce risk and lower sick  
days for students and staff

[rzero.com/education](https://rzero.com/education)

