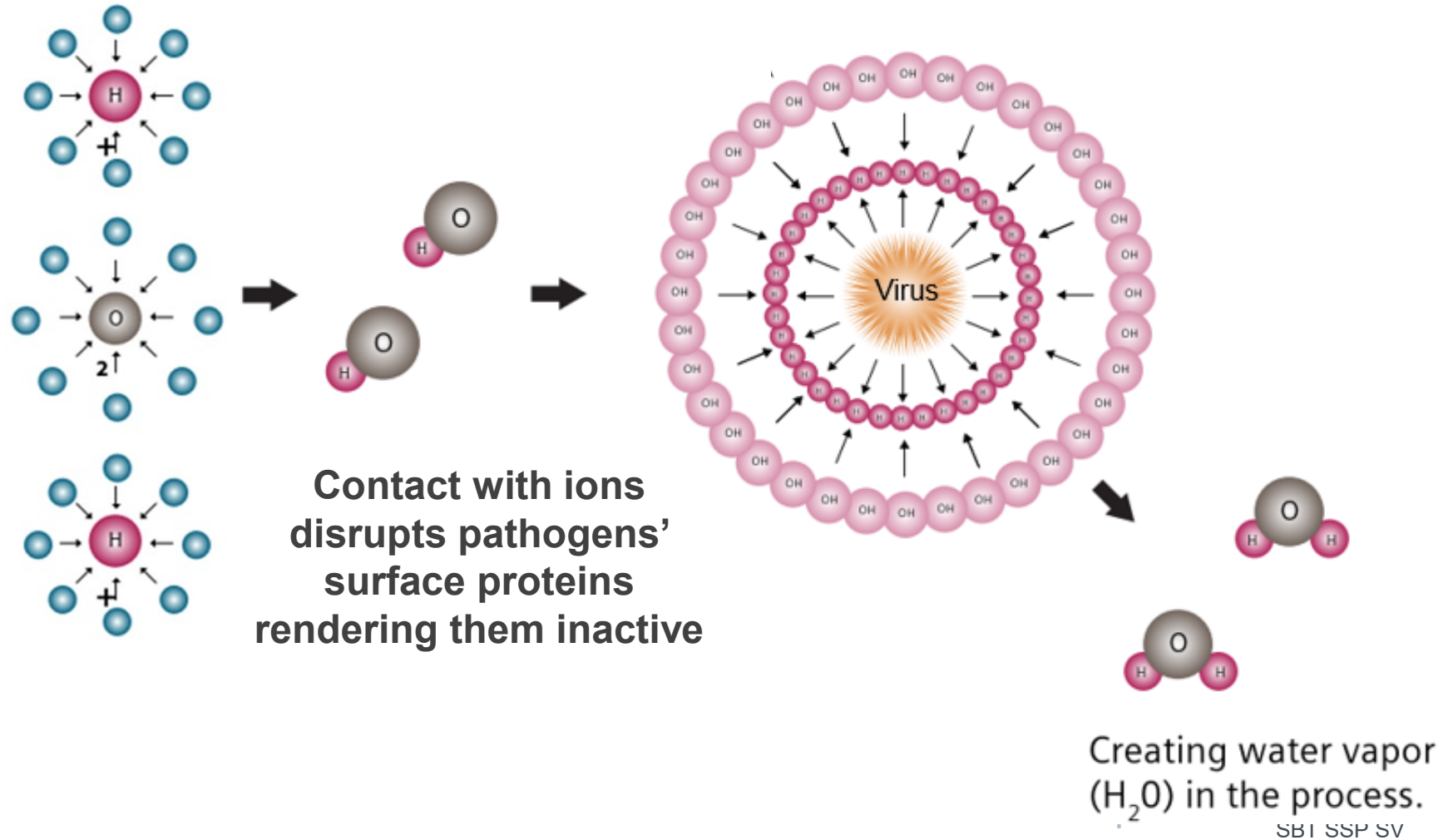


Needle Point Bipolar Ionization (NPBI)

How it works

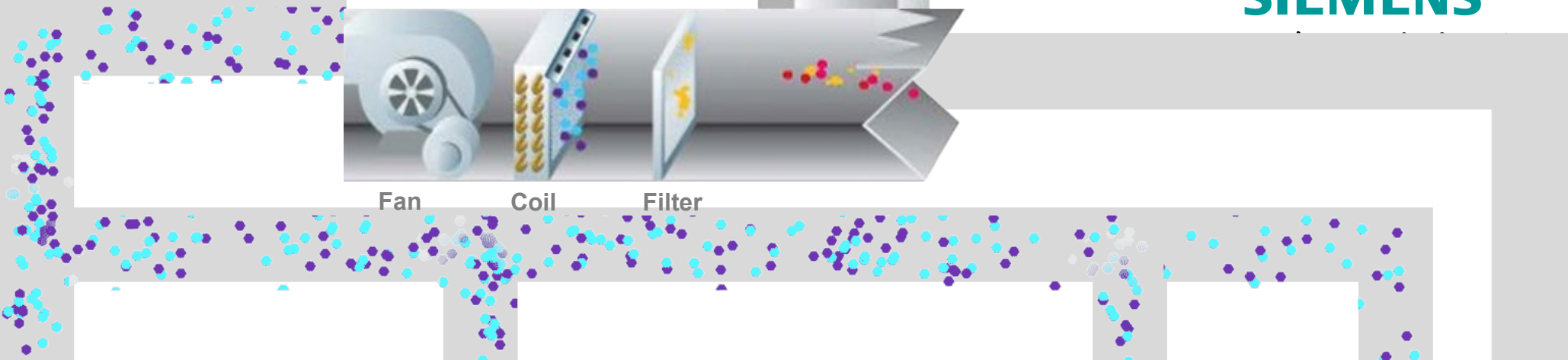
Ozone-Free Needlepoint Bipolar Ionization creates millions of + positive and - negative ions

They are released into the air circulation of the ship.



HVAC Unit

SIEMENS

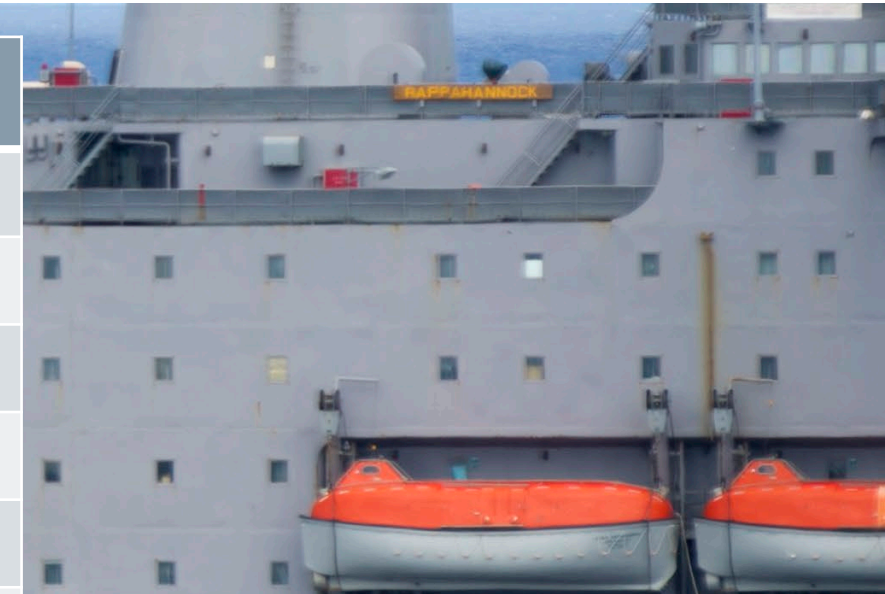


Third Party Testing Results

Kill rates & risk mitigation



Pathogen	Time	Kill Rate	Test Agency
Sars-2 CoVID-19	30 minutes	99.4%	IB
TB	60 minutes	69.09%	EMSL
C. Difficile	30 minutes	86.87%	EMSL
Noro Virus	30 minutes	93.50%	ATS Labs
MRSA	30 minutes	96.24%	EMSL
Staph	30 minutes	96.24%	EMSL
Mold Spores	24 hours	99.50%	GCA
E. Coli	15 minutes	99.68%	EMSL
Legionella	30 minutes	99.71%	EMSL



Benefits

- ✓ Elimination of Bacteria & Virus
- ✓ Reduce the spread of disease
- ✓ Improved air quality
- ✓ Cleans AHU's
- ✓ Increased safety and reliability
- ✓ Elimination of mold
- ✓ Elimination of VOC's