

# TECHNOLOGY COMPETITIVENESS

## CURRENT PRODUCTS

Current technologies for cleaning and removing biofilms and bacteria are multi-step, multi-product and use harsh chemicals

**Virdivis exceeds current product performance**



Virdivis cleaning technology use natural products, single product, single step, using bioinspired safe, non-toxic technology – FDA Generally Recognized as Safe chemicals

	Current Products	Virdivis
<b>Cost</b>	<b>High cost</b> due to labor and time	<b>Much lower cost</b> -- requires less time and manpower
<b>Ease of use</b>	<b>Multi-step</b> cleaning process <b>Multiple products</b> Difficult to handle and store	<b>One step</b> cleaning process using <b>one product</b> Easy to handle and store
<b>Time</b>	Range from 10 – 20 minutes to <b>hours and even days</b>	<b>Minutes</b> – from 30 seconds to typically 10 – 20 minutes
<b>Contain harsh chemicals</b>	<b>Caustic, Strong acids</b> (Nitric, Phosphoric)	<b>Contains natural Acids – FDA GRAS</b>
<b>Corrosivity</b>	<b>Highly corrosive</b> to metals, plastics, and rubber	<b>Non-corrosive</b> to metals, plastics, and rubber
<b>Environmental hazards</b>	<b>Toxic</b> to the environment	<b>Biodegradable &amp; Non-toxic</b>
<b>PPE</b>	Nitrile gloves, <b>face shield, glasses, rubber boots</b>	<b>Eye protection and latex gloves</b>
<b>Reaction with other cleaners</b>	Excess heat & can be <b>explosive</b>	<b>Non-reactive</b>