# Copper: The Bacteria-Fighting Metal

Every day, high-touch surfaces present health risks to people in public spaces, and especially the most vulnerable in healthcare.

With naturally antimicrobial properties, copper can kill up to 99.9% of bacteria on surfaces and slow the spread of diseases.

# **How Antimicrobial Copper Works:**

Antimicrobial copper kills bacteria in three sequential steps.

Antimicrobial copper continuously kills bacteria, never wears out, and is safe to use.



#### **Enters**

Copper ions on the surface are recognized as an essential nutrient and enter the bacteria cell.



### **Disrupts**

Copper ions interfere with normal cell functions and membrane integrity.



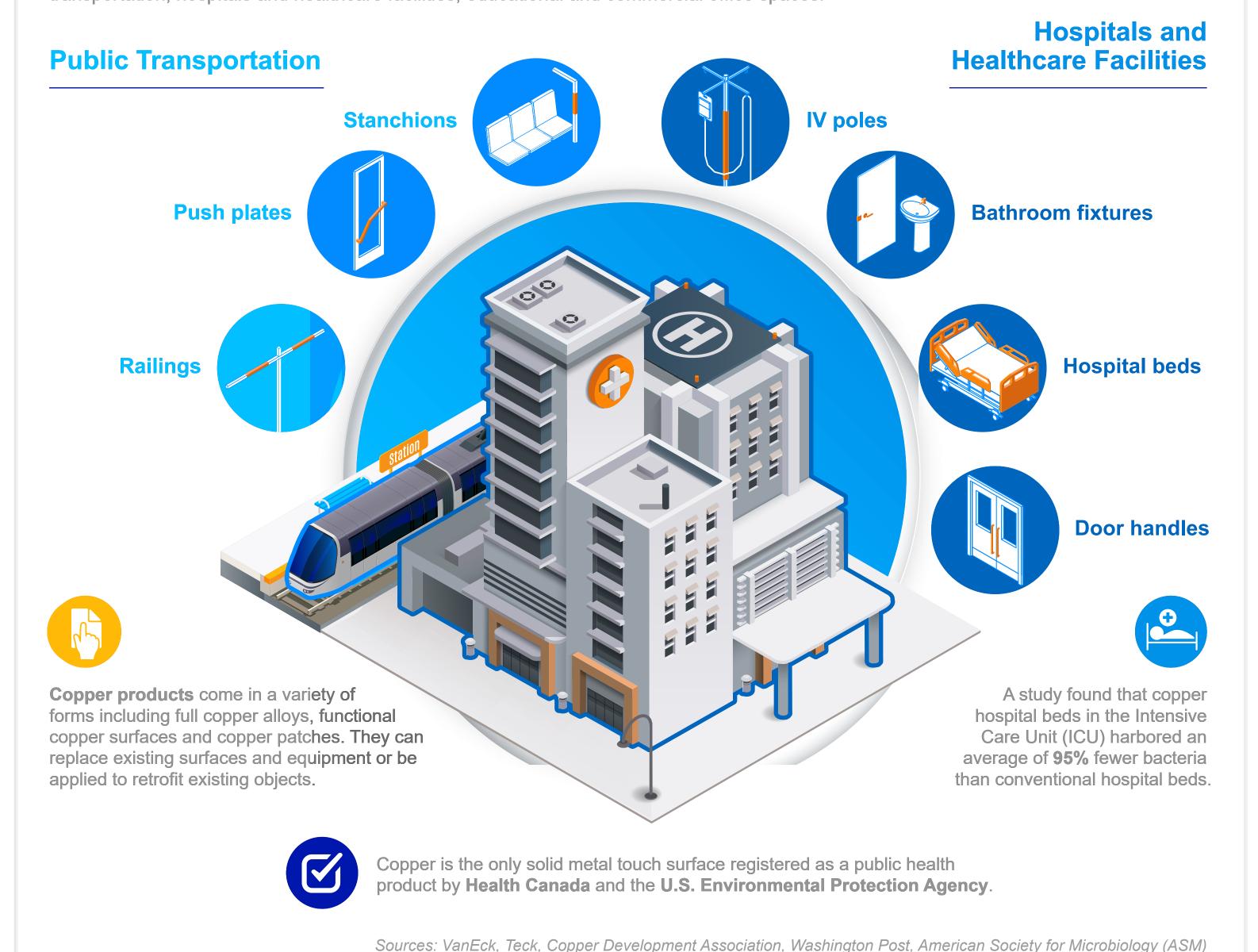
### Kills

When excess copper binds to the enzymes, the bacteria can no longer breathe, eat, digest or create energy.

Source: CuVerro, Copper Development Association

# **Copper Applications**

Antimicrobial copper surfaces are well-suited for use in high-touch areas including public transportation, hospitals and healthcare facilities, educational and commercial office spaces.



As a major copper producer, Teck is committed to raising awareness and advocating for the use of copper as an innovative solution to reduce the spread of infections.

Presented by -



Learn more about copper's essential role in protecting public health.

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