

# DID YOU KNOW?

Your guide to the latest industry trends, ideas and solutions



## DID YOU KNOW?

Did you know that the silent killer of your equipment and investment is Rust and Corrosion?

## THE SILENT KILLERS IN EVERY INDUSTRY.

Machines and equipment are the bread and butter of most businesses and industries. And for any industry leader, hidden costs and unprecedented accidents are a cause for major concern.

### But when was the last time you checked for signs of rust and corrosion?

Both chemical processes manifest so gradually in the nooks and crannies of your facilities that they commonly go unnoticed. But both impose **catastrophic effects**.

On a **social level**, rust and corrosion can be a threat to the following:

1. **Safety** due to sudden industrial failures that can cause fires, explosions, or collapse of infrastructures.
2. **Health** due to pollution and toxics escaping from corroded equipment or products.
3. **Depletion** of natural resources, including metals and the fuels used to manufacture them.

On a **larger scale**, industrial equipment, facilities, and manufacturing plants are subject to higher rates of corrosion due to harsh operating and environmental conditions, as well as exposure to corrosive chemicals.

Rust and corrosion can lead to structural failure or loss of containment, costly repairs, loss or

contamination of products, environmental damage, risk to personnel, and loss of public confidence.

In short, rust and corrosion leads to a long-term **loss of investment**.

The effects are **universal**.

According to a recent research by Curtin University, **Australia** pays \$30 billion each year due to the effects of corrosion.



Across the Pacific, corrosion of metals costs the **U.S.** economy almost \$300 billion per year, according to a study performed by Battelle Columbus Laboratories and the National Institute of Standards and Technology (NIST).

The **Philippines** is no exception to the consequences of rust and corrosion as both an archipelagic and tropical country, subject to multiple typhoons and floods each year.

The iconic, 127 year-old, all-steel San Sebastian Church is the most recent victim of corrosion.

To save this "architectural marvel" and national treasure, officials have embarked on a US\$6 million restoration project -- a process that may take more than 10 years to complete.

The costs of neglect and waiting are too high when it comes to rust and corrosion. It's time we took action to protect your investments and improve efficiency.

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## COMBAT CORROSION, CUT COSTS

### A CORROSION PREVENTION PLAN IS CRUCIAL

NCH is the global leader in industrial and commercial maintenance.

We offer you unrivaled experience, expertise, and equipment to bring you a full range of solutions and services to meet your specific needs. We offer state-of-the-art products to prevent and remedy the effects of rust and corrosion.

Included in our arsenal of solutions to control corrosion are rust converters, encapsulators, removers, and coating products that extend the life of tools, equipment, and machinery parts. These solutions cater to wide application areas for Agriculture, Automotive, Rail, Construction, Marine, Shipyards and of course Manufacturing workshops.

Contact us today to discuss how our services and solutions can prevent catastrophic failure and maintain safe and reliable operations for your industrial equipment and facilities.



[1] [ASM International](#). (2000). [Abstract]. Corrosion: Understanding the Basics, (06691G), 4-10. Retrieved October 31, 2018 [2] SGS. (n.d.). CORROSION MONITORING. Retrieved October 31, 2018, from [Manufacturers' Monthly](#). (2017, January 28). [3] Corrosion is eating away at [Australian industry](#). Retrieved October 31, 2018, from [4] UCA News, R. L. (2017, June 1). [Philippines' iconic church faces serious rust issue](#). Retrieved October 31, 2018, from