

# Electrical Power Industry

## Dry ice cleaning



### Why dry ice cleaning?

Dry ice cleaning is highly recommended for...

cleaning dead or live equipment and can be used for cleaning :

- Stator-rotor installations
- Turbines
- Transformers and substations
- Insulators
- Motors AC/DC
- Switchboards and electric cabinets
- Armatures, commutators and earth leak circuit breakers
- Nuclear decontamination
- Heat exchangers
- Robotised and automatic cleaning projects (e.g. nuclear Power Plants)
- ...

#### Technical arguments:

- A method significantly faster and more efficient compared to any other cleaning system.
- Dry and non-abrasive cleaning. Absolutely no wear to cleaned surfaces increasing the life of all cleaned objects, safe around electrical equipment (special safety measures necessary)
- Guarantee of fast and high quality cleaning results.
- Ecological & economic: dry ice leaves no trace and does not create any additional waste to be processed.
- Significant increase in productivity due to reduced production stops resulting from cleaning without disassembly/reassembly or cooling down.



Before



After

#### CRYONOMIC®, partner for increasing productivity!

- European Manufacturer No. 1 of dry ice cleaning equipment (production since 1992).
- 'Ergonomic High Performance' machine configurations.
- Maximum efficiency and minimum dry ice usage, characteristics of all CRYONOMIC® technology and main objectives of our company.
- CRYONOMIC® Total Satisfaction Guarantee.
- Dry ice cleaning solutions tailored to your specific needs.
- Competent authorised CRYONOMIC® dealers close to you.

Put us to the test!



The Cool Way  
Of Cleaning

**CRYONOMIC®**  
DRY ICE CLEANING SOLUTIONS

# “We discovered CRYONOMIC® as the alternative with significant technical, practical and economical advantages.”

Source: interview with Mr. Ph., Site Manager of S. Ltd, August 6th 2008.

We are specialised in the maintenance of Electrical Power Plants and are familiar with a range of both traditional and more sophisticated cleaning methods like abrasive blasting, the use of solvents, high pressure water jetting, mechanical-, ultrasonic-, steam- and laser cleaning. We were faced with the reality that most of these cleaning methods generate substantial secondary waste, could not be practically and economically implemented in our working environment, or required special protective measures. Most of these techniques can only be applied on a very restricted scale or are simply not suitable for cleaning in power plants.

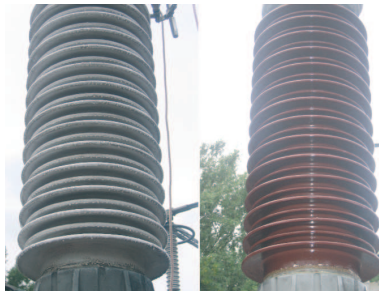
We discovered CRYONOMIC® Dry Ice Cleaning as the alternative with significant technical, practical and economical advantages. It's more rapid, dry, non-abrasive, non-explosive and non-toxic. Cleaning dead equipment poses no particular risk. When respecting specific safety rules and applying the right accessories and parameter settings, even cleaning live equipment can be done safely. In most cases the object to be cleaned or its surroundings need not be removed, closed down, specially protected or transported. This commonly called 'in situ cleaning' creates enormous savings in terms of production time. Thanks to the sublimation of dry ice we do not create any secondary waste, a dramatic difference compared to our situation before. Creating no secondary waste is specifically of substantial economic and ecological importance when considering assignments in nuclear power plants. We have chosen for the extensive experience and professional no-nonsense approach of CRYONOMIC®, a partner we can rely on, even for consultancy on robotised cleaning.

Contact us for more information or a demonstration on site

Turbine cleaning



Insulator cleaning



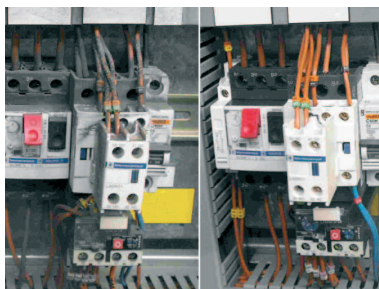
Motor cleaning



Rotor cleaning



Electrical switchboard cleaning



Electrical switchboard cleaning



Some references:



CRYONOMIC® has a worldwide network.  
Contact your dealer for any information:

Printed in Belgium - VML-EL-EN-0609



CRYONOMIC  
Kleimoer 3 - B-9030 Gent - Belgium  
Tel: +32 9 216 76 90 - Fax: +32 9 216 76 91  
info@cryonomic.com  
www.cryonomic.com

CRYONOMIC® is a registered trademark of ARTIMPEX N.V.