MOBILE WASHING SYSTEM - OVERVIEW

ENERGIZED & POLLUTED INSULATORS WASHING SYSTEM
For T&D Power Lines, Outdoor Gantries and Substations
(LV/MV/HV/EHV Low, Medium, High & Extremely High Voltage)

Design, Engineering, Manufacturing and Project Management expertise on Power Lines & Power Generation Industry
Oil & Gas OEM spare parts, Mechanical works, Process Automation, Technical & Procurement services end-to-end solutions
Since 1998.

Wilorton Holding Inc.
Mail Address: c/o Fiam SA Via Carlo Frasca, 3 - 6901 Lugano - Switzerland
Tel. Pbx: +41(0)91 695 1070 - Fax +41(0)91 682 6672
http://www.wilorton.com css@wilorton.info

ISO 9001 : 2015 BUREAU VERITAS CERTIFICATION NO. CH10196772
COST-EFFECTIVE MAINTENANCE SOLUTIONS TO PREVENT “TRIPS” AND POWER OUTAGES ON ENERGIZED SUBSTATIONS, GANTRIES & T&D POWER LINES

Mobile washers (MM)

WASHING SYSTEMS

CLEANING ENERGIZED INSULATORS FROM POLLUTANTS

http://www.wilorton.com  css@wilorton.info
AVOID COSTLY POWER OUTAGES

ENERGIZED & POLLUTED INSULATORS MOBILE WASHING SYSTEM

Mobile insulator washing equipment consists of a completely integrated system.

The standard configuration of our MK Series range from:

- **MK-S** Series, mounted on a Skid (Steel frame). The unit shall be loaded onto a suitable trailer or chassis (truck) and carried to the wash location.
- **MK-C** Series, Chassis (Truck) mounted. The unit shall be positioned to wash location.
- **MK-T** Series, Flatbed, Trailer or semi-trailer mounted. The unit shall be towed to the wash location.

Wash Energized Insulators up to a height of approx. 10 m from ground or insulators installed at higher heights with aerial platform or telescopic boom equipment mounted on MK washers.

Energized & POLLUTED Insulator Mobile Washing System

Thanks to our extensive process know-how and technological expertise on Power grid and Power Generation Industry, we deliver comprehensive *hot line insulators washing systems* for cleaning Energized Insulators installed on LV-MV-HV-EHV (Low, Medium, High & Extremely High Voltage):

- Transmission and Distribution Overhead Transmission Lines
- Outdoor Gantries and Substations

ENERGIZED & POLLUTED INSULATORS WASHING SYSTEMS (EHV-HV-MV-LV) PRODUCTION RANGE

- "AUTOMATED WASHING SYSTEM" for washing energized Insulators installed on Outdoor Gantries and Substations
- "AUTOMATED WASHING SYSTEM" for washing energized Insulators installed on T&D Power Lines
- "FIXED WASHING SYSTEM" for washing energized Insulators installed on T&D Power Lines with washing platforms
- "MOBILE WASHING SYSTEM" for washing energized insulators installed on Outdoor Gantries, Substations & T&D Power Lines

Visit [www.wilorton.com](http://www.wilorton.com) under section DOWNLOADS to get washing systems leaflet and technical articles, in PDF file format.

Or write to [info@Wilorton.info](mailto:info@Wilorton.info) for inquiry.

COST-EFFECTIVE MAINTENANCE SOLUTIONS TO PREVENT “TRIPS” AND POWER OUTAGES ON ENERGIZED POWER LINES & SUBSTATIONS

Customer Support Office at Wilorton Holding Inc.

[css@wilorton.info](mailto:css@wilorton.info) [www.wilorton.com](http://www.wilorton.com)

AVOID COSTLY POWER OUTAGES

http://www.wilorton.com

WILORTON HOLDING INC.
WASHING SYSTEM - MOBILE
T&D Power Lines, Outdoor Gantries and Substations

500 kV ENERGIZED & POLLUTED INSULATORS MANUAL WASHING FROM GROUND

PLAY LIVE VIDEO: https://www.youtube.com/watch?v=bdNwm_k6VKQ
ENERGIZED & POLLUTED INSULATORS MOBILE WASHERS – TRAILER MOUNTED

MK-T SINGLE AXLE TRAILER WITH 4 CM DEMINERALIZED WATER TANK CAPACITY

TANK PRODUCTION RANGE UP TO 10 CM WITH MULTIPLE AXLES TRAILERS

HOSE REEL(S) WITH HIGH PRESSURE WATER HOSE

RESISTIVITY MONITOR CONTROLS THE WATER RESISTIVITY AND STOP THE ENGINE IF REQUIRED

MK-T SERIES WITH SILENCED POWER UNIT – SIDE VIEW

MK-T SERIES – REAR VIEW

MK-T SERIES WITH SILENCED POWER UNIT

http://www.wilorton.com
ENERGIZED & POLLUTED INSULATORS MOBILE WASHERS – CHASSIS MOUNTED

MK-C-10 CHASSIS MOUNTED - WATER STORAGE TANK CAPACITY 10 CM - WITH TELESCOPIC BOOM TWO SEATS BASKET

WASHING SYSTEM - MOBILE
T&D Power Lines, Outdoor Gantry and Substations
ENERGIZED & POLLUTED INSULATORS MOBILE WASHING SYSTEMS

ENERGIZED & POLLUTED INSULATORS MOBILE MK SERIES LIVE VIDEO DOWNLOAD LINKS

- MOBILE WASHER MK-C (CHASSIS MOUNTED) WITH TELESCOPIC BOOM & BASKET
  Video link: https://www.youtube.com/watch?v=DaQts6gHe4M

- LIVE WASHING OF 500 kV ENERGIZED TENSION INSULATORS
  Video link: https://www.youtube.com/watch?v=bdNwm_k6VKQ

- MOBILE WASHER MK-C (CHASSIS MOUNTED) LIVE WASHING FROM GROUND
  OF 500 kV ENERGIZED CIRCUIT BREAKERS INSULATORS
  Video link: https://www.youtube.com/watch?v=f6qz8p71yww

- MOBILE WASHER MK-T (TRAILER MOUNTED) GALLERY
  Video link: https://www.youtube.com/watch?v=gryu5TEXg4A

Customer Support Office at Wilorton Holding Inc.
css@wilorton.info www.wilorton.com
ENERGIZED & POLLUTED INSULATORS MOBILE WASHERS

ENERGIZED INSULATORS MOBILE WASHER – SAMPLE PHOTO

MOBILE WASHER MK-T-5 (5 CUBIC METERS WATER TANK) PACKING DETAILS AND CONTAINER LOADING

MOBILE WASHER WOODEN BOX STUFFED TRAILER LOADING AT FACTORY

MK-T SERIES WITH STANDARD POWER UNIT
ENERGIZED & POLLUTED INSULATORS MOBILE WASHING SYSTEMS
GANTRY’S ENERGIZED INSULATORS WASHING FROM TELESCOPIC BOOM WITH BASKET

PLAY LIVE VIDEO: https://www.youtube.com/watch?v=DaQts6gHe4M

http://www.wilorton.com
ENERGIZED & POLLUTED INSULATORS MOBILE WASHING SYSTEMS

MOBILE WASHER MK-C (CHASSIS MOUNTED) SERIES WITH BASKET

http://www.wilorton.com
The scope of this document is to outline the procedures used for cleaning contaminated electrical insulators (excluding nuclear, toxic, and hazardous chemical contaminants), of all types, installing the Energized Insulators Washing System.

Because of the great variety of conditions, practices, electrical system design, and contamination possibilities, this document is outlined to describe a number of approaches to insulator cleaning on power systems. All factors must be considered to specific situations in deciding whether and how to use the information in this document.

Normative references:
The following referenced documents are indispensable for the application of this guide. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments or corrigenda) applies.

CEI 11-27 Edition IV - CEI EN 50110: Works on electrical plants (DL 81/08) 2014 – Adjustment of the DL and DV distances to the CEI standard EN 50110-1
ESTI n. 407: Safety rules for works on high voltage overhead lines, Switzerland
EN 353/EN 361/EN 363: Part 1/Personal protective equipment against falls from a height – Body harnesses/Fall arrest systems
IEEE Std 4™-1995, IEEE Standard Techniques for High-Voltage Testing. 3,4
IEEE Std 957-2005, Guide for cleaning insulators

***
ENERGIZED & POLLUTED INSULATORS WASHING SYSTEMS

COST-EFFECTIVE MAINTENANCE SOLUTIONS TO PREVENT "TRIPS" AND POWER OUTAGES ON ENERGIZED POWER LINES & SUBSTATIONS

ENERGIZED INSULATORS WASHING SYSTEM
For New and Operational T&D Power Lines, Outdoor Gantries and Substations
(LV/MV/HV/EHV Low, Medium, High & Extremely High Voltage)

Customer Support Office at Wilorton Holding Inc.
css@wilorton.info www.wilorton.com

Wilorton Holding Inc.
Mail Address: c/o Fiam SA Via Carlo Frasca, 3 - 6901 Lugano - Switzerland
Tel. Pbx: +41(0)91 695 1070 - Fax +41(0)91 682 6672
http://www.wilorton.com css@wilorton.info

ISO 9001 : 2015 BUREAU VERITAS CERTIFICATION NO. CH10196772

Design, Engineering, Manufacturing and Project Management expertise on Power Lines & Power Generation Industry
Oil & Gas OEM spare parts, Mechanical works, Process Automation, Technical & Procurement services end-to-end solutions
Since 1998.

http://www.wilorton.com