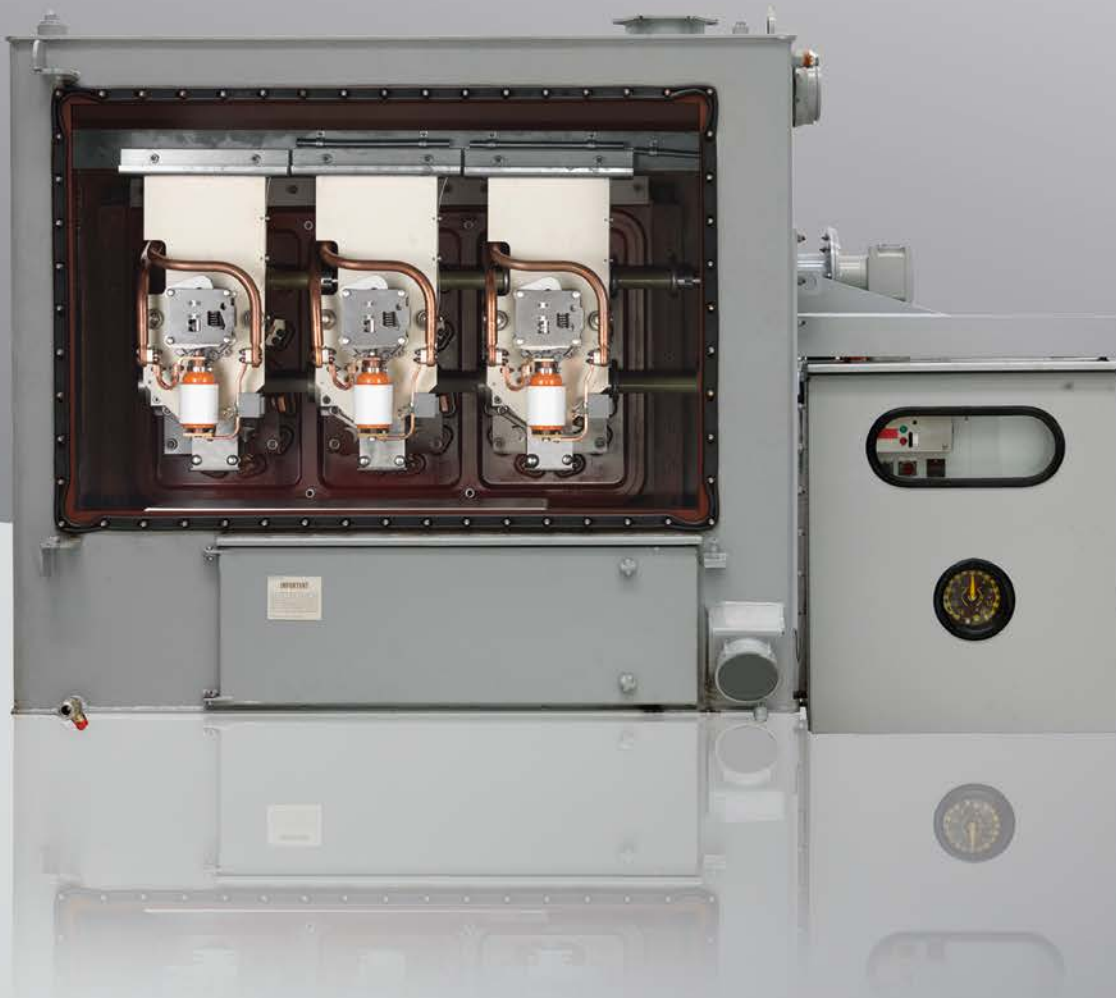




# VACUTAP<sup>®</sup> UVT-LTX

THE SOLUTION TO  
UPGRADING YOUR  
WESTINGHOUSE UVT.

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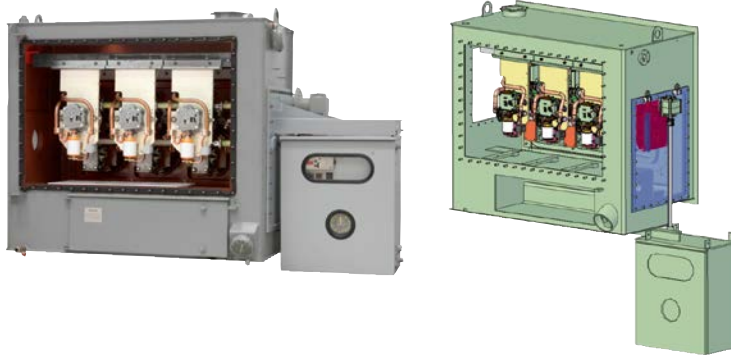
# THE VACUTAP® UVT-LTX – SOLUTION TO EXTEND THE LIFE OF ON-LOAD TAP-CHANGERS TYPE UVT IN THE FIELD.



# VACUTAP® UVT-LTX TECHNICAL DATA.

Technical Specification	VACUTAP® UVT-LTX
Max. voltage for equipment $U_m$ <sup>1)</sup>	69 KV
Max. LTC through-current	2500 A
Maximum rated tap-to-tap voltage	2000 V
Max. number of positions	33
Maintenance-free switching operations	500,000
Time per operation	2 sec

<sup>1)</sup> In accordance with IEC 60214-1, chapter 3.57: highest effective value for phase-to-phase voltage in a three-phase system for which an on-load tap-changer is designed with respect to its insulation



Based on the RMV-II, the most popular on-load tap changer across the world

- Almost 10,000 units placed in service since 1993
- In operation in all continents, in network and specialty (arc furnaces, shunt reactors, PST) applications

The UVT-LTX solution is available for all UVTs manufactured after 1974 that meet the following pre-conditions:

- tap selector in good working order
- barrier board in reliable condition
- leak-proof tank



## Motor Drive MD-II

- View all critical functions without opening the enclosure
- Vacuum Interrupters Monitoring system model "B", located inside MD-II compartment

## Additional equipment

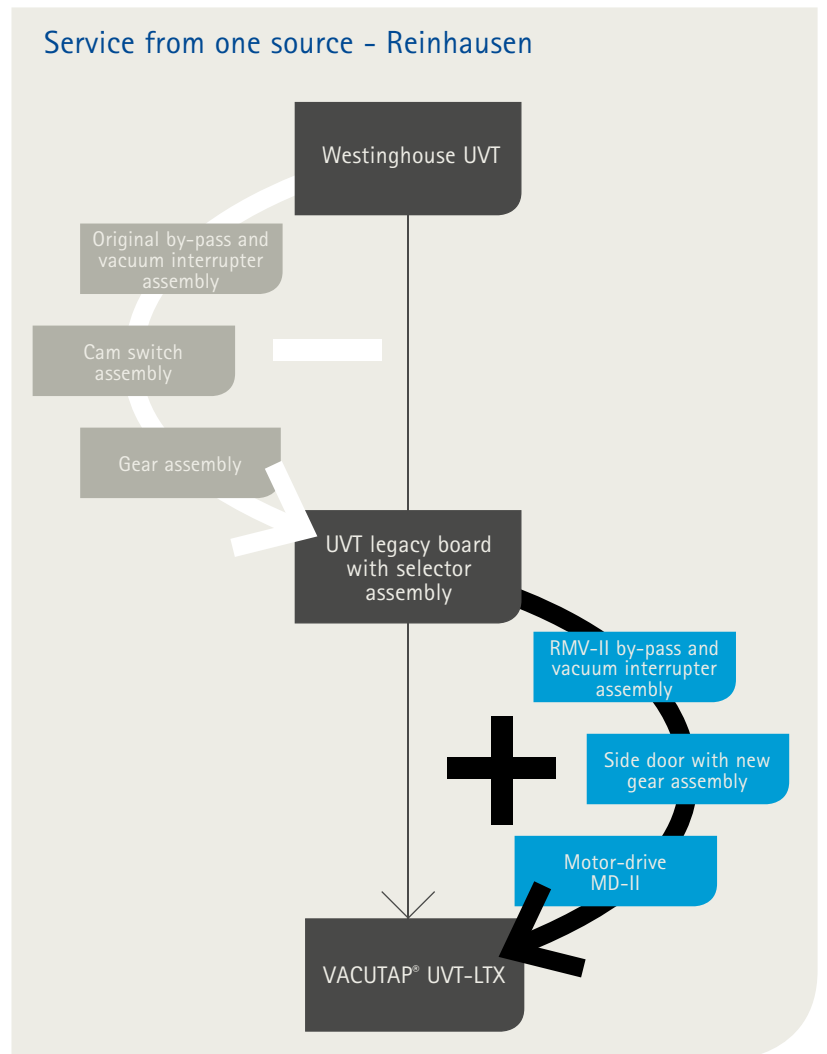
Automatic controller TAPCON® 250 is installed inside the MD-II enclosure. View through the window; set voltage, actual voltage, percent deviation, tap position, timer graph bar and indication arrows.

# VACUTAP® UVT-LTX

## SCOPE OF WORK.

### Scope of work 3-4 days

- Perform following tests:
  - Pre-work TTR, Winding Resistance
- Drain OLTC
- Remove the old parts from the VACUTAP® UVT
- Install the new RMV-II parts, the pre-assembled gear unit and motor-drive MD-II
- Perform test operations
- Fill VACUTAP® UVT-LTX with new oil
- Commissioning tests



# MORE POWER, MORE VALUE.

Many Westinghouse UVTs were placed in service more than 40 years ago and even the youngest ones have been in the field for more than 25 years. Spare parts are costly and increasingly difficult to obtain. Experts are retiring and technical expertise is being lost quickly. With the utilization of RMV-II components in the VACUTAP® UVT-LTX, a standardization of the fleet to reliable and maintenance-free tap changers will be the result.



## Reliable and maintenance-free

- Maintenance-free to 500,000 operations
- Vacuum filling of the OLTC compartment eliminated



## Easy and fast modification

- No need to go inside the transformer (draining of the transformer oil not required)
- No welding or cutting required on the transformer
- No work required on UVT barrier board
- Transformer-side terminal connections remain undisturbed (cost efficient solution)
- Dramatically less costly and time consuming than performing a complete exchange



## Cost-efficient solution

- Nearly a third of the costs of a complete exchange



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THE POWER BEHIND POWER.

