

# Nuclear Power Plant RMS Detector Repair & Replacement

## Features

- All Brands
- Expert Service
- Guaranteed Reliability
- Cost Savings
- Switch to TA RMS Repair and Replace Detectors
- Discontinued Parts or
- Original Maker is Out of Business or
- Original Maker Charges Exorbitant Fees
- Longer Life Detectors



## Situation

Original Manufacturers claim a “40 Year Design Life” for radiation monitoring systems supplied to your power plant.

**The reality is:** 5 - 15 Years Electronics  
2 – 8 Years for Expensive Detectors

**Performance degrades and/or they stop working completely**




## Problem

- Original Manufacture Out of Business
- Model is Discontinued
- New Model not Exact Replacement Requiring Costly Replacement of Other System Parts



**TECHNICAL ASSOCIATES  
OVERHOFF TECHNOLOGY**

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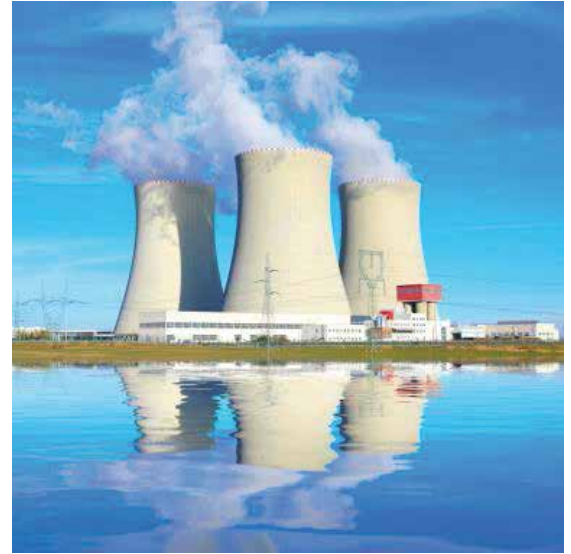
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## Issues

- Labor Intensive Research for New Supplier
- Down-time for Re-training Personnel and/or Rewriting Procedure
- Original Supplier Can Provide a Replacement which is Costly and Out of Budget

## Technical Associates Solution

- Build an Exact Fit and Function Replacement Detector with Same or Longer Life Span
- Use Highest Quality Parts & Components, Often Same Brand as Original
- Reasonable Pricing
- Rebuild "BurnedOut" Detectors Scheduled for Discard, Providing Dependable, PerfectlyWorking Spares



## Technical Associates Needs From You


- Sample Probes Working, Burned Out, or Damaged
- Copy of Original Manual with Complete System and Detector Diagrams
- Photos of Installed System, Helpful but Not Required

## Upon Receipt of Sample and Manual Technical Associates Will Provide:

- Prompt Quote on Repair and Replacement
- Guaranteed Form, Fit, and Function
- Courteous Phone Support by Technical Associates Engineers and Physicists
- Certificate of Performance and NIST Traceable Calibration Certificate



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Replacement Detectors Offered / Isotopes / Nuclides Detected

| DETECTOR USES               | DETECTOR TYPES                                     | RADIATION DETECTED | RANGES OFFERED             |
|-----------------------------|--|--------------------|----------------------------|
| Area Monitor                | Ion Chambers                                       | Alpha              | Low                        |
| Liquid Monitor              | Proportional & GM Detectors                        | Beta               | High                       |
| Air Monitor                 | Scintillation Detectors                            | Tritium            | Post Accident (Ultra-High) |
| Water Monitor               | Nal(Tl)<br>Nal(Tl) with Am-241Seed                 | Gamma              |                            |
| Particulate                 | CsI<br>BGO<br>ZnS(Ag) etc<br>Plastic Scintillation | X-ray              |                            |
| Iodine                      | Liquid Scintillation                               | Neutron            |                            |
| Noble Gas                   | Solid State  | Positron           |                            |
| Moving filter Particulate   | Fission Chambers                                   | Meson              |                            |
| Accident Range Detector     | Self-Powered Detectors                             | Muon               |                            |
| Laundry Monitor             | Strap On Detectors                                 | Cosmic Rays        |                            |
| Environmental Monitor       |  |                    |                            |
| Steam Blow Down Duct        |  |                    |                            |
| Coolant Leak N-16 Detectors |  |                    |                            |



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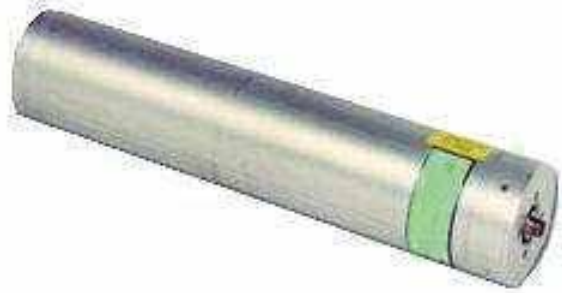
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# Nuclear Power Plant RMS Detector Repair & Replacement

High Integrity Detectors for Extreme Environments



Liquid Detector



Scintillator




Ion chamber



Beta Detector



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