



Complete Source Life Cycle Management

ReSource Program

Looking Forward **VEGA**

Leadership in Complete Source Management

As a complete radiation-based measurement solutions provider, VEGA Americas is committed to supporting total management of ownership. To fulfill this commitment to its customers, VEGA is pleased to offer a responsible method of source life cycle management as an alternative to stockpiling and burial. This method, called the ReSource Program®, focuses on the reuse and recycling of radioactive sources used in industrial measurement systems.

Source Reuse and Recycling

Through the ReSource Program, and an exclusive brokerage agreement with QSA Global, VEGA Americas takes ownership of a source from the customer and has it recertified through the manufacturer for reuse. A proprietary, over-encapsulation process plays an important role in this recertification, resulting in a “new” source without requiring the harvest of new materials. Risks associated with stockpiling and burial are eliminated for the customer, and the source is ready for use in a new application.

Why Use ReSource?

Are you considering the purchase of a radioactive source as part of a radiation-based measurement system, and need to know there is a proper path for disposal at the end of its useful life? Are you currently in possession of an unwanted source with no outlet for it? The VEGA Americas' ReSource Program is the answer to both questions, providing a responsible method of source life cycle management. Our field service engineers offer the assistance you need, from installation through final transfer at decommissioning. At the end of the source's useful life, VEGA Americas will accept ownership as part of the ReSource Program.



An Ideal Solution

The ReSource Program is the ideal solution for any customer in need of removing unwanted sources with any of the following requirements:

- Eliminate customer liability associated with stockpiling
- Remove multiple source types from multiple manufacturers
- Benefit from complete source life cycle support
- Contact a single supplier for all instrumentation and radiation program needs
- Reduce the impact of radioactive waste on the environment

ReSource Program Benefits

VEGA Americas' ReSource Program yields valuable benefits for our customers as well as the environment.

Relief of Liability

After the source has served its purpose, VEGA Americas will accept ownership and is then responsible for that source.

Radiation Program Support

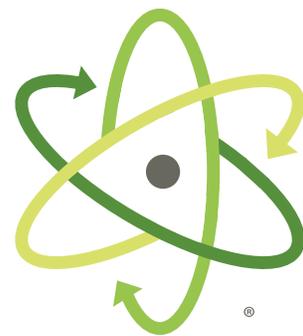
Support from VEGA Americas' service personnel is available the entire time a customer owns a source. They are equipped to handle commissioning, start-up, maintenance, troubleshooting, and decommissioning for nuclear measurement applications. Full radiation program support is available through the service team to keep the process running smoothly.

Acceptance of Multiple Source Types

The ReSource Program focuses on cesium and cobalt sources from fixed industrial gauging systems, originating from VEGA Americas. Other manufacturers' sources, such as TN, Ronan, and Berthold, are also accepted through ReSource. Inquiries for other isotopes are welcome.

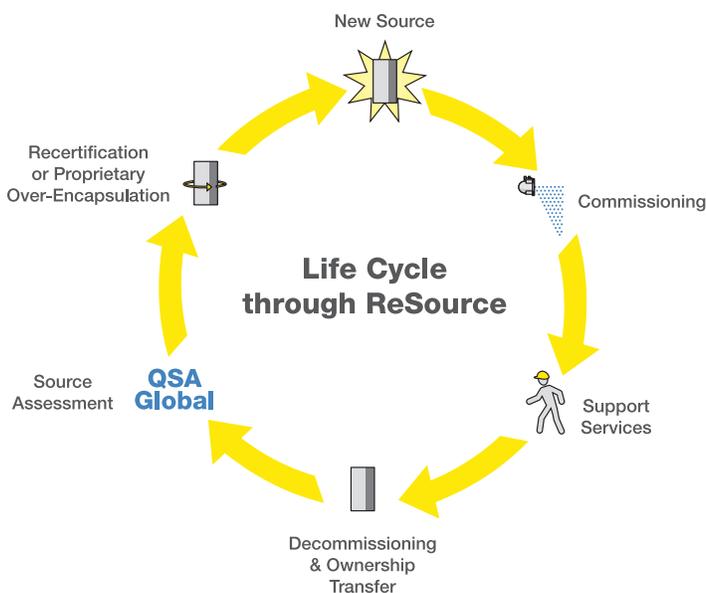
Source Recertification and Renewal

VEGA Americas understands the importance of environmental responsibility. Radioactive sources are only used in applications that are too difficult for other measurement solutions, and must be properly managed throughout their life cycle. Reusing and recycling sources minimizes the amount of radioactive materials being introduced into the environment.



Principle of Operation

The ReSource Program assists the customer throughout ownership of a source, supporting complete source life cycle management. From new source procurement through ownership transfer at the end of the source's useful life, VEGA Americas offers full assistance.



The ReSource Life Cycle

The life cycle of a source in the ReSource Program is categorized into six stages:

- **New Source:** A source capsule is sized based on the activity required for its specific measurement application.
- **Commissioning:** The radiation-based measurement system is commissioned into service.
- **Support Services:** Nuclear and Field Services provide routine and specialized service for the life of the source.
- **Decommissioning and Ownership Transfer:** Support services decommission the source and initiate transfer of ownership to VEGA, relieving customer liability.
- **Source Assessment:** Source manufacturer and ReSource partner QSA Global evaluates the source capsule for integrity and activity.
- **Recertification or Proprietary Over-Encapsulation:** QSA Global recertifies the source at its new activity, or over-encapsulates the source with a second capsule in a proprietary process. The source is now ready to be commissioned into a new measurement system.

Support Services



World Class Field Service Team

VEGA Nuclear and Field Services provide full support for the life of our radiation-based solutions. Top quality start-up service ensures proper function with all safety and compliance issues fully addressed. Our fully certified service personnel inspect the source holder mounting, perform leak tests and shutter checks, and document the radiation levels around the equipment. The detector is also checked for functionality and is calibrated to the customer's process.

VEGA is able to meet all of your radiation service needs. Our Nuclear Services staff provides unsurpassed expertise in fulfilling mandated radiological surveys and inspections. The same technicians also perform start-up calibration and on-site training services. 24-hour call-in support is available through Nuclear Services in case of radiological emergency. These and other services are available to support the customer in total management of ownership, throughout the life cycle of our products.



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