







Message from CEO

Since the modest beginnings of our company in 1987, we have experienced unprecedented growth. Until 1990, our customers, served directly from Austria, were usually state-owned trade organizations.

After the changes in Central and Eastern Europe, we are now supplying mostly the end users.

Focused on the measurement of ionizing radiation, we have been continuously expanding our range of products. Meanwhile, we also sell devices for cancer treatment, nuclear medicine, biotechnology, pharmaceutical research and meteorology.

More than 70 staff members from our offices in Austria, Belarus, Bulgaria, Czech Republic, Hungary, Poland, Romania, Russia, Slovak Republic and Ukraine help our customers solve their application problems.

The EU enlargement process presents a welcome challenge to our operations. Eight out of the ten new EU members from the first enlargement wave are within our sales and distribution area. In five of these countries we already have our subsidiaries. The recent addition of two new states to the EU club has found us well prepared with existing offices in Sofia and Bucuresti. In addition, we will continue and expand our activities in all other countries within our sales area.

Together with our suppliers, we will do our best to fulfil your highest expectations. That is my promise to you – our valued customer.

Helge A. Adam
Managing Director

MISSION & VISION

Our mission is to provide you with high-quality cost-effective solutions for ionizing radiation detection & measurement needs of the nuclear, environmental, and medical markets. An equally important part of our mission is the supply of the most modern radiation therapy equipment available, including gamma, x-ray, and Linac systems. We are carrying out our mission through the application of our extensive experience, know-how, management techniques, and our partnership with leading manufacturers of radiation detection & measurement and radiation treatment equipment.

We offer

- Delivery of high-end radiation detection & measurement and radiation therapy equipment
- Pre-sale consultation
- Installation, training and after-sale support
- Warranty service
- Upgrades and modernization
- Project management

The strategic vision of CANBERRA PACKARD Central Europe GmbH is to be regarded as a company preferred by customers due to our capability to deliver high-quality equipment on time and at a competitive price, to provide impeccable service and support, and to tailor our solutions to the specific needs of every customer.



COMPANY HISTORY



Our company was established in 1987 in Schwadorf, Austria, as Silena Vertriebsgesellschaft GmbH – a representative of the Italian radiation detection & measurement equipment manufacturer SILENA.

In 1994, due to the change of our major supplier to Canberra Industries, Inc., we have adopted our current name – CANBERRA PACKARD Central Europe GmbH. The company's main activities were sales, installation, and service of ionizing radiation detection & measurement instrumentation for industrial, medical, and environmental applications. A number of local offices have been established in Central and Eastern Europe, putting us even closer to our customers and offering local know-how. The outstanding quality of our products and services has made us the largest supplier in the region.

Throughout the following years, our product portfolio has been continuously expanded to include medical and analytical equipment and instrumentation of leading European and US manufacturers. At the same time, the after-sales support and service infrastructure has grown significantly, including the increase of the number of local subsidiaries to ten.

We have successfully implemented a number of projects ranging from single-instrument delivery to multimillion international tenders. Our customers are small private companies, government organizations and research centers, all 12 nuclear power plants in our region, as well as international organizations such as the European Commission, the World Bank, the European Bank for Reconstruction and Development, and the World Health Organization.

- 1987** Silena Vertriebsgesellschaft GmbH
- 1990** Sales exceed € 3.5 Mio
- 1994** Partnership with Canberra Industries, Inc., company name change to CANBERRA PACKARD Central Europe GmbH
- 1996** Move to the new 700 m² office building in Schwadorf – a prize-winning combination of a totally renovated 1935 house and a new addition of modern office and service rooms
- 1997** ISO 9002 certification
- 1999** Sales exceed € 10 Mio
- 2001** ISO 9001:2000 certification
- 2002** Sales exceed € 13 Mio, more than 50 staff members in 9 countries
- 2006** Subsidiary established in Kiev/Ukraine
- 2007** Sales exceed € 20 Mio, more than 70 staff members in 10 countries
- 2008** New office building in Žilina/Slovakia opened

CORE COMPETENCIES | REFERENCES | QA

CORE COMPETENCIES

CANBERRA PACKARD Central Europe GmbH is the leading provider of ionizing radiation detection & measurement solutions and radiation therapy systems, driving growth and innovation in nuclear & environmental measurement and radiation diagnostics & therapy markets. Combining operational excellence and technology expertise with an intimate understanding of its customers' needs, CANBERRA PACKARD Central Europe GmbH provides products and services for a range of applications that require innovation, precision, and reliability.

REFERENCES

Over the years, CANBERRA PACKARD Central Europe GmbH has successfully completed hundreds of ambitious projects in Central and Eastern Europe.

Some of them, with an individual value exceeding € 0,5 Million, include

- 2001 • Kazakhstan – Medical Radiology Equipment
- 2002 • Russia – Medical Radiology Equipment
 - Bulgaria – Equipment for a National Centre of Radiology and Radiation Protection
- 2003 • Czech Republic – Contamination Monitoring Equipment for a NPP
 - Ukraine – α/γ Spectrometers for a NPP
- 2004 • Slovakia – Neutron Waste Assay System for a NPP
 - Poland – Equipment for Quality Assurance and Quality Control Measurement in Diagnostic Radiology
- 2006 • Romania – Equipment for 24 Environmental Laboratories Including α/γ Spectrometers and β Liquid Scintillation Counters
 - Slovakia – Personnel Contamination Monitors for a NPP

- 2007 • Hungary – Radiation Monitoring System for a Radioactive Waste Repository
 - Austria – Tomographic Gamma Scanner for a Research Center
- 2008 • Bulgaria – Instrumentation & Major Equipment for a Radioactive Waste Repository

QUALITY ASSURANCE

Reflecting our high standards in sales, order processing, technical support, and customer service is the certification of the quality management system of CANBERRA PACKARD Central Europe GmbH in accordance with ISO 9001:2000.



NUCLEAR & ENVIRONMENTAL

Counting Room/Laboratory Systems

CANBERRA offers a large family of automatic and manually-controlled low background alpha/beta/gamma counters. The majority of the systems use gas flow proportional technology and originated as the industry-leading brand. Over the years, these systems have been enhanced, and the family has grown to include the new iSeries of gasless alpha/beta counters.



CANBERRA's Alpha Analyst is the complete solution for both routine and non-routine alpha spectroscopy applications. This flexible instrument is designed for counting samples in a production „batch mode“ environment as well as one sample at a time in a research type environment.

CANBERRA's Gamma Analyst is a dedicated turnkey instrument which maximizes instrument utilization and produces high quality results. The automatic sample changer facilitates maximum sample throughput with the added flexibility to handle multiple sample geometries in any combination in a single sample batch.

We are representing the world leader in the field of nuclear and environmental radiation detection & measurement equipment:



Nuclear Instrumentation Modules (NIM)

CANBERRA offers a full range of Nuclear Instrumentation Modules (NIM):

- Alpha Spectrometers
- Analog-to-Digital Converters
- Amplifiers
- Cables/Connectors
- Preamplifiers
- Multi Channel Analyzers
- Systems Cabinets
- Timing Instruments
- Counters and Ratemeters
- Power Supplies
- Single Channel Analyzers
- Specialty Signal Processing Modules
- Instrument Control Bus (ICB)



Nuclear Measurement Systems

CANBERRA has developed an advanced family of gamma ray, neutron, and combined gamma/neutron waste assay systems that can effectively measure radioactive materials in a wide variety of matrices and container geometries. These systems have been designed to meet U.S. regulations 10CFR61 and 40CFR191 as well as European and Asian waste disposal requirements.

NUCLEAR & ENVIRONMENTAL

Health Physics/Environmental Monitoring

CANBERRA offers a full range of solutions for all your health physics, environmental monitoring and security needs. Specific offerings within the health physics/environmental monitoring areas include:

Survey Instruments and Probes – Designed for portable applications involving survey of gamma, alpha, beta, X-ray and neutron radiation.



Contamination Monitoring – A full range of solutions for alpha, beta, gamma and X-ray contamination. Solutions are available for whole body, hand and foot, gamma-exit and article monitoring applications.

Dosimetry – A line of personal dosimetry products to monitor routine operational exposure and/or for emergency response applications.

Hand-Held Spectroscopy – Devices that bring laboratory grade gamma spectroscopy facilities to the field environment.

Environmental Monitoring – Fixed and mobile monitoring systems for public protection around nuclear facilities and for homeland security.

Homeland Security – Leading edge technologies for the detection, interdiction and identification of smuggled nuclear material and for securing nuclear materials in-place.

Detectors

CANBERRA manufactures a wide range of Silicon and Germanium Photon Detectors and offers the broadest line of cryostats and accessories in the industry. Specially engineered versions of these types of detectors can be provided for research and custom applications. CANBERRA also offers an advanced type of Silicon Charged Particle Detector which is known as the PIPS® (Passivated Implanted Planar Silicon) Detector.

The PIPS® Detector provides much better performance and greater ruggedness and reliability than conventional SSB or Diffused Junction Detectors.



Multichannel Analyzers

The multichannel analyzer (MCA) is the heart of most experimental measurements. It performs the essential functions of collecting the data, providing a visual monitor, and producing output, either in the form of final results or data for later analysis. CANBERRA offers a complete line of multichannel

analyzers with digital signal processing (DSP). All DSP-based MCAs available from CANBERRA start with digitizing the analog tail-pulse from the detector preamplifier. Further signal filtering is then carried out within the digital domain. DSP technology offers superior count rate, resolution and stability performance and is considered to be the state-of-the-art technology for the demanding spectroscopist.

MEDICAL



Radiation Therapy

CANBERRA PACKARD Central Europe GmbH is the distributor of the most advanced systems in the field of radiation therapy.

The Accuray CyberKnife® Robotic Radiosurgery System is the world's first and only radiosurgery system designed to treat tumors anywhere in the body with sub-millimeter accuracy. Using image guidance technology and computer controlled robotics, the CyberKnife System is designed to continuously

track the tumor, detect its location and correct for tumor and patient movement in real-time throughout the treatment.

Gulmay Medical x-ray therapy systems are dedicated to improving the quality of life of cancer patients throughout the world. Gulmay Medical has been designing and manufacturing medical and scientific equipment for over a decade with more than 400 installations worldwide.



Nuclear Medicine & PET

Major developments in medical imaging technologies, including standard nuclear medicine methods as well as Positron Emission Tomography (PET), have made these techniques into a powerful tool for diagnosing a wide range of illnesses and for selecting the best treatment procedures. With the combined know-how of CANBERRA PACKARD Central Europe GmbH and our partners we are capable of designing and realizing "turnkey" solutions for radiochemical and radiopharmacy laboratories, complying with the most recent international standards and requirements.

- Laminar Flow Hoods
- Measuring Instruments
- Shielded Doors
- Hot Cells
- Automatic Dose Fractioning
- Waste Disposal Plants
- Isolators
- QC PET



We are representing the following leaders in the field of medical radiation detection & measurement, diagnostic, and therapy equipment:



Medical Dosimetry Tools

The advent of ionizing radiation based imaging and treatment technologies places ever greater requirements on ensuring patient & personnel protection. In order to take full advantage of the increasing capabilities of the advanced imaging and treatment methods, accurate and reliable dosimetry is needed.

We offer a full range of dosimetry tools and devices for radiology, radiation therapy and nuclear medicine.

- Radiology test objects and QC measuring equipment for x-ray installations
- Patient dosimetry systems (dose area product meters)
- Absolute dosimetry for radiation therapy including world-class precision electrometers and a wide range of ionization chambers for different energy ranges.
- Therapy beam analyzers – water phantoms for dose distribution measurements on the radiation treatment devices.
- 1D and 2D ionization chamber arrays for analyzing modern treatment techniques with irregular fields, dynamic wedges, MLC and IMRT
- Dose calibrators for nuclear medicine



LOCATIONS

*W*herever you are, we are close by. With offices in 10 countries of central and eastern Europe, we offer you local support for all your needs. Thanks to the proximity to the end users of our equipment, we normally achieve 24-hour response times to service and maintenance calls. That way you can be back up and running in no time. Visit our local office or call us today!



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