



VNS Federal Services Overview

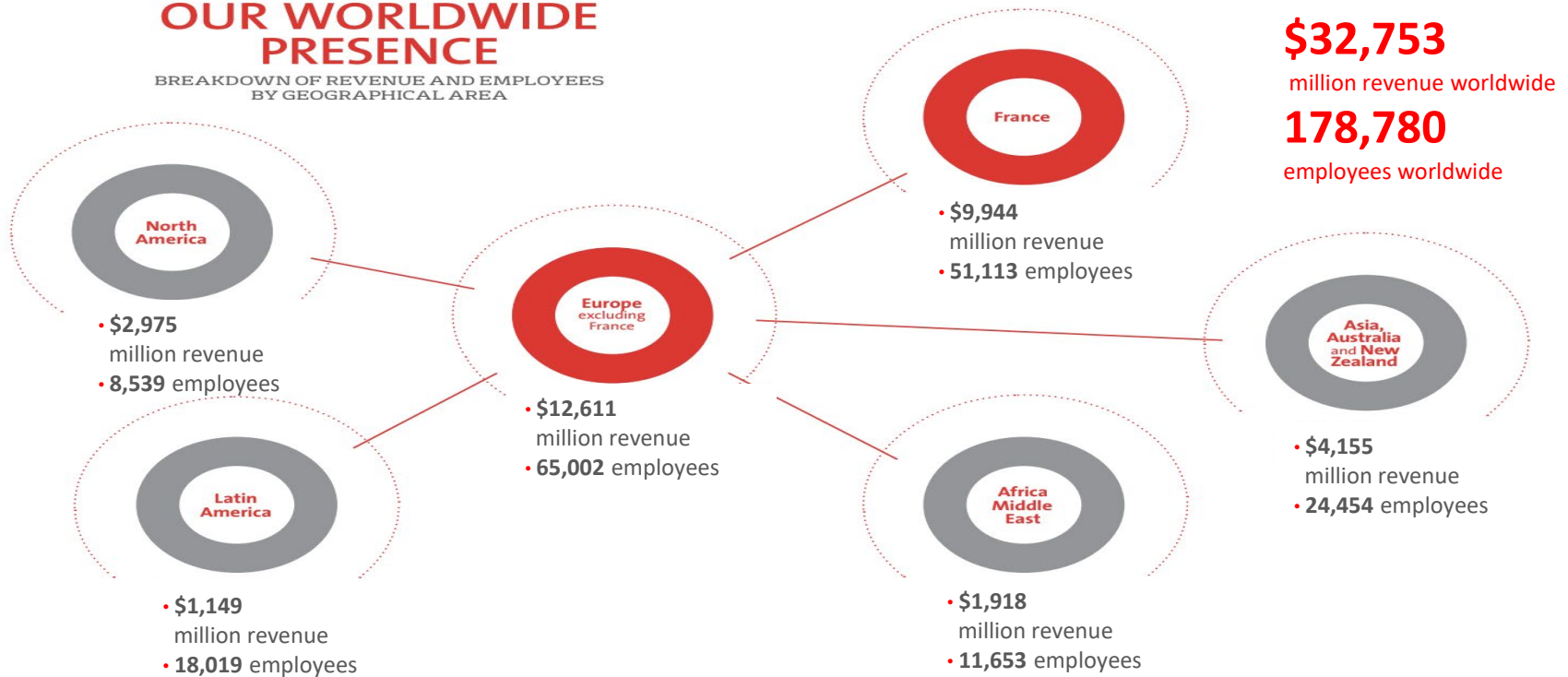
October 2022

NUCLEAR SOLUTIONS – FEDERAL SERVICES

Veolia – Global Reach, Financial Strength

OUR WORLDWIDE PRESENCE

BREAKDOWN OF REVENUE AND EMPLOYEES BY GEOGRAPHICAL AREA



- ✓ 160-year-old company, publicly traded
- ✓ 178,000 Employees with ~\$32B in Revenue
- ✓ 9,000 Employees across N. America
- ✓ Extensive U.S. Federal Experience
- ✓ Global nuclear operations managed by Veolia Nuclear Solutions (VNS)
- ✓ VNS Federal Services LLC (VNSFS) is the operating company for all N. American nuclear and secure operations work

Global Capabilities -- Technology & Operations for Water, Waste & Nuclear/High Haz Facilities

✓ Water & Liquid Waste:

- 4,245 Water Production Plants
- 3,303 Wastewater Treatment Plants
- >10 MCi of Cs/Sr removed at Fukushima
- 8 radioactive ion exchange systems

✓ HAZ/Nuclear Solid Waste:

- 601 Solid Waste Treatment Plants
- 30 Million Metric Tons of Solid Waste Treated
- >26,000 Metric Tons Nuclear Waste Vitrified
- 7 Cat II/III Nuclear Waste Facilities Managed

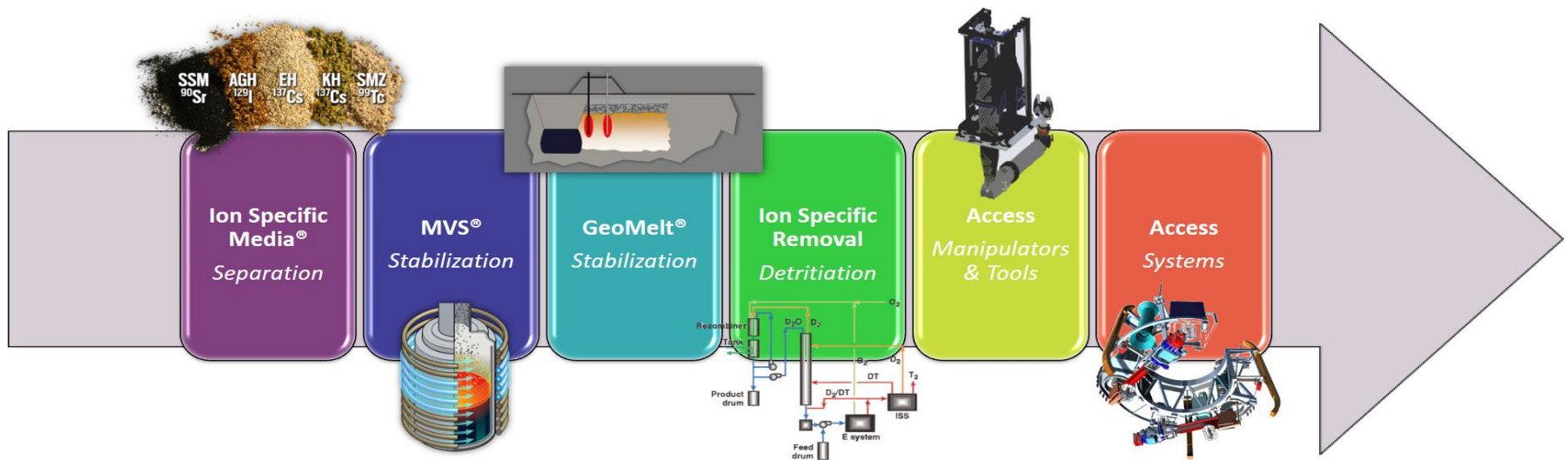
✓ Decontamination & Decommissioning

- 4 contracts managing infrastructure at US DOE decommissioning sites
- Prime contractor supporting TEPCO at Fukushima
- 50-year D&D contract with EDF for reactor decommissioning
- Baseline Estimating for UK Reactor D&D



VNS Technologies

- ✓ An integrated value chain that includes a comprehensive range of innovative and patented technologies, engineering, analytical services and expertise
- ✓ While VNS is the technology owner, most of the capability resides inside VNSFS
- ✓ Supporting D&D and remediation activities in the US, UK, France and Japan



Discriminating Technologies For Waste Management, Facility Operations and D&D

VNS Federal Services, LLC

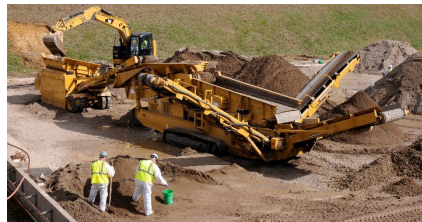
VNS Federal Services (VNSFS) – a US company formed to deliver all of Veolia’s capabilities to nuclear or related clients across N. America

- US government cleared company, structured to perform federal contracts with robust project management and performance baseline capabilities
- Managing entity for our Canadian contracting company, with experience related to Bruce Power, Canadian Nuclear Laboratories and Ontario Power Generation
- 600+ employees across five US nuclear sites and other Federal location, with commercial operations at two GeoMelt® facilities and Alaron Nuclear
- Reach-back capability to all Veolia technologies, capabilities and resources



Hanford:

- ERDF Operations
- Management of 222-S Laboratory
- 20 Years Engineering Across all Mission Areas
- GeoMelt® Commercial and Testing Facilities



Idaho National Laboratory:

- Environmental Monitoring & Surveillance
- Spent Fuel Management at NRC Licensed Facilities
- Processing of INL Sodium Wastes and Liner Retrieval



Portsmouth & Paducah:

- Decontamination & Decommissioning
- Facility and Infrastructure Services
- Environmental, Safety & Health
- Landfill Construction



Oak Ridge:

- Transuranic Waste Processing Center Operations

Alaron Nuclear:

- 150,000 sq-ft commercial facility
- NRC Licensed for LLW remediation & disposition



VNS Federal Services Business Lines

VNS Federal Services structured around 5 business lines that support our clients nuclear/high hazard operations from beginning to end, supported by a robust project management culture, estimating and performance management baseline (PMB).



- NQA-1 and ISO 9001 engineering
- Technology development from R&D to operational deployment including robotics
- Waste management treatment technologies and O&M of Rad/nuclear/high hazard facilities
- O&M and infrastructure support of other nuclear/high hazard facilities (i.e., labs, spent fuel, decontamination, utilities, construction management services)
- Project management, PMB, treatment technologies for D&D and remediation
- Experience across multiple regulatory regimes (DOE, NRC, RCRA, CERCLA, CNSC (Canada), ONR & NDA (UK), ASN (France), JNRA (Japan))

Today's Focus

Waste Management
Operations, Processing, Technology

Nuclear Waste Operations – TRU Facility, Oak Ridge TN

- ✓ Prime contractor for the TRU Waste Processing Center (TWPC)
- ✓ \$330M Contract from 2009-2018 (still performing as a sub)
 - Regional center for receipt, management, treatment, packaging, and shipment of TRU waste legacy inventory
 - Performed TRU facility startup and time critical CERCLA action
 - Perform all waste management operations, and facility and infrastructure O&M (TWPC is a Category 2 nuclear facility)
 - Lead negotiator with State for waste disposal; manage RH- and CH-Tru, LLW, MLLW, and >Class C
 - Worked with WIPP Central Characterization Project on WIPP Restart Activities
 - Shipped 1500, 55-gallon drums of TRU waste to WIPP since re-start of operations



Waste Management – ERDF, Richland WA



- ✓ VNSFS operates and manages the DOE Hanford Environmental Restoration Disposal Facility (ERDF)
- ✓ \$150M contract from 2013 – 2022 that includes all operations and labor
 - Spanning approximately 107 acres with a disposal capacity of 18 million tons, the ERDF is the largest DOE landfill
 - ERDF is a multi-celled RCRA landfill that is also CERCLA authorized
 - Manage all waste operations include receipt, WAC, disposal and regulatory discussions for in-cell treatment; built multiple new cells
 - Implemented GIS and Smart Compaction technology
 - Starting in 2020, providing maintenance and preparation (procedures) of new Integrated Disposal Facility (IDF) for DFLAW waste

GeoMelt® Waste Processing – US DOE

- ✓ VNSFS has built two commercial GeoMelt® systems in the US (Richland, WA & Andrews, TX) that are helping DOE dispose of previously orphaned wastes.
- ✓ From design to commissioning, each system took less than one year
- ✓ Receipt and treatment of DOE LLW/MLLW sodium, reactive wastes for offsite disposal.
- ✓ Example: Idaho National Laboratory orphaned waste
 - Project to receive, treat, and dispose of approximately 900 radiologically contaminated sodium metal “Fermi” drums
 - Waste received from INL, process waste through GeoMelt®, and ship to Nevada National Security Site for disposal
 - Waste received and fully processed in less than one year
 - Firm Fixed price project of \$4.6M, with payment received upon receipt of waste



GeoMelt® Andrews



- ✓ Ribbon Cutting in June 2022
- ✓ Completed treating ZPPR plates waste stream in August 2022



Questions?

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