

Introduction to ARCADIS

Tim Llewellyn—Project Manager



Imagine the result

Questions

Who is ARCADIS?

What is ARCADIS' experience with Army Installations and groundwater studies?

What will ARCADIS be doing at Fort Detrick?

Path forward?

Global Operations



Who is ARCADIS?

ARCADIS is an international company providing consulting services for:

- Environment
- Infrastructure
- Water
- Buildings

Publicly-traded company

Dutch held

Major US Operations

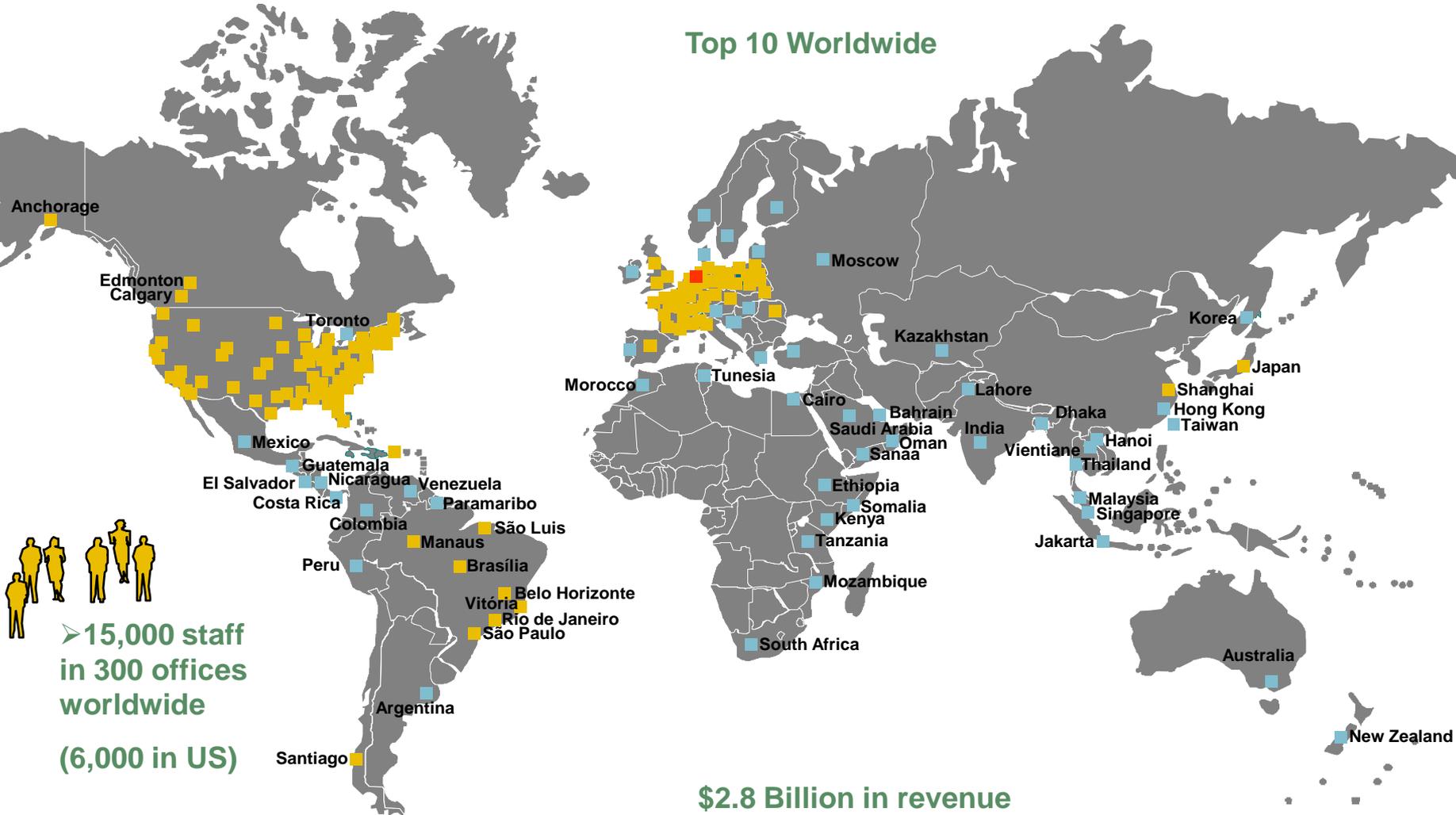


Imagine the result

ARCADIS Global Reach

- ARCADIS offices
- ARCADIS Headquarter
- Partners / Subcontractors

Top 10 Worldwide



➤ 15,000 staff
in 300 offices
worldwide
(6,000 in US)

\$2.8 Billion in revenue

Imagine the result



U.S. Operations



ARCADIS North American Operations



- 6,000 employees with more than \$1.2 Billion in annual revenue
- Environmental, Infrastructure, Water, Buildings
- Engineering News Record (ENR) rated #3 Hazardous Waste Firm in the US

Imagine the result



Who is ARCADIS Locally?

- 300+ Staff in Maryland Offices
 - Annapolis (Environment)
 - Baltimore (2) (Environment/Water/Buildings)
 - Columbia (Infrastructure)
 - Millersville (Environment)
- Presence in Maryland since the 1970s
- Merged with Malcolm Pirnie in 2009

Relevant Experience

Leader In Providing Investigation and Remediation Services to the Army

- \$350,000,000 in contracts with the Army
- Providing complex environmental services over 30 Army Installations nationwide

Local Army Experience and Contracts

- **Aberdeen Proving Ground, MD**
 - \$4,000,000 contract for innovative in-situ remediation of solvents in groundwater
- **Radford Army Ammunition Plant, VA**
 - \$12,000,000 contract for site-wide groundwater and surface impoundment investigation and remediation in karst environment
- **Picatinny Arsenal, NJ**
 - \$28,000,000 contract for fence-to-fence remediation
- **Fort Meade, MD**
 - \$19,000,000 contract for landfill remediation and groundwater investigations/remediation

Technology Based Firm

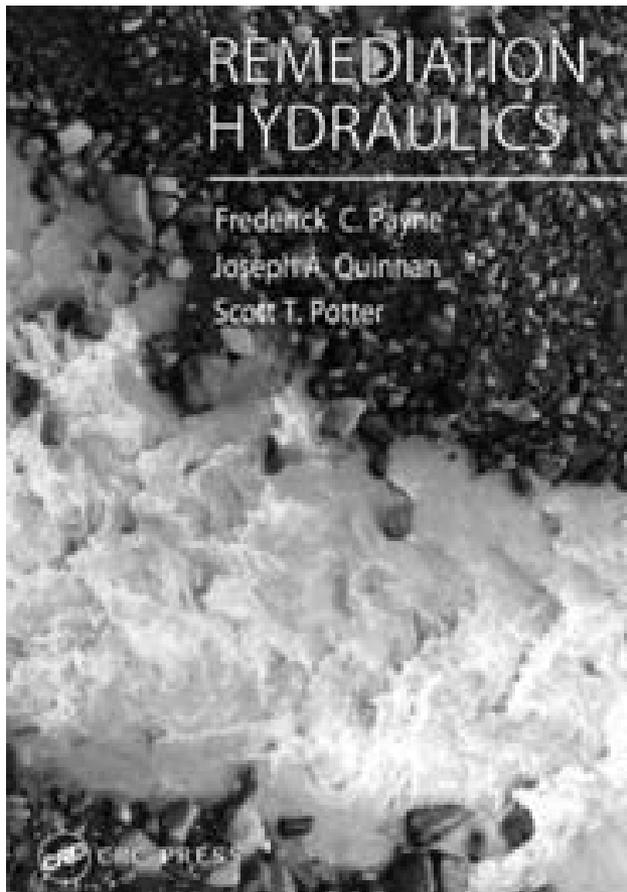
ARCADIS is a renowned leader for technical innovation in groundwater investigations and remediation

Focus on knowledge not just technology

Hold approximately 30 patents for groundwater remediation technologies

Staff have authored numerous industry leading books

Senior geologist assigned to Detrick leads our national technical discipline for karst hydrogeology



Karst Experience

- **Technical leadership in national conferences**
 - Geologic Society of America
 - National Groundwater Association
 - Conference in sinkholes and karst
- **Example on-going projects**
 - Bloomington IN—DNAPL and Dissolved Phase plume characterization in karst
 - Sullivan MO—RI/FS for solvent migration in karstic bedrock
 - Central TN—Solvent migration assessment in mature karst
 - Russellville KY—Corrective Action Plan for PCB DNAPL site in karst bedrock



What will ARCADIS be doing at Fort Detrick?

Overall Objective

Implement 2010 Area B Groundwater Workplan

- Initiate field work in January 2011
 - Assess condition of existing monitoring wells
 - Install up to 37 new monitoring wells to depths up to 325 feet
 - Collect analytical data from 69 wells
 - Assess deep groundwater flow patterns under Carroll Creek
 - Assess vapor intrusion potential on nearby off-site properties
- Deep well drilling expected to be complete by Fall 2011

Path Forward

Immediate Path Forward

- Develop safety and health plans
- Develop quality assurance plans
- Initial partnering meeting with EPA and MDE
- Develop public information fact sheets and obtain rights of entries where needed

- Assess condition of existing wells and re-develop/repair as needed
- Conduct survey for seeps and springs along Carroll Creek
- Prepare for drilling rig mobilizations in March of 2011

Questions & Answers



Contact Information

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