

Monthly SmartLeads Project Parameters

10 leads for nine months (Oct 24 – June 25)

Client requests 3 (including research director) contacts with emails

Target industries are based upon a match with Valparaíso Faculty Expertise.

Client would like 3-4 Smart Leads from each sector each month.

Client:

Valparaíso University

Due Date: Monthly on 3rd
Monday for nine months
beginning Oct. 21, 2024.

Target Industries:	3.1. <u>Bioscience</u> 3.1.1. Biotechnology ● Genetic Engineering: Developing genetically modified organisms for medical and agricultural applications. ● Bioinformatics: Utilizing computational tools to analyze biological data, crucial for understanding complex biological systems. ● Ag Tech: new tech in farming such as drones, robotic machinery. 3.1.2. Pharmaceutical Research ● Drug Discovery: Identifying new therapeutic compounds to treat diseases. ● Clinical Trials: Collaborating with healthcare institutions to test the efficacy and safety of new drugs. 3.1.3. Biomedical Engineering ● Medical Devices: Designing and developing innovative medical equipment and prosthetics. ● Tissue Engineering: Researching methods to repair or replace damaged biological tissues. 3.2. <u>Energy</u> 3.2.1. Renewable Energy
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- **Solar Power Technology:** Advancing photovoltaic systems and solar panel efficiency.
- **Wind Energy Systems:** Improving turbine design and energy capture methods.

3.2.2. Energy Storage Technologies

- **Battery Development:** Creating more efficient and sustainable battery systems for energy storage.
- **Smart Grid Solutions:** Implementing intelligent systems for energy distribution and management.

3.2.3. Sustainable Energy Systems

- **Energy Efficiency:** Researching ways to reduce energy consumption in industrial and residential settings.
- **Green Building Technologies:** Developing materials and designs for environmentally friendly construction.

4.1. Bioremediation & Land Restoration

4.1.1. Environmental Biotechnology

- **Bioremediation Techniques:** Utilizing microorganisms to degrade environmental contaminants.
- **Phytoremediation:** Using plants to absorb or break down pollutants in soil and water.

4.2.2. Soil and Water Remediation

- **Contaminant Removal:** Developing methods to remove heavy metals, pesticides, and other pollutants.
- **Restoration of Aquatic Systems:** Techniques to clean and restore rivers, lakes, and wetlands.

4.3.3. Ecosystem Restoration

- **Habitat Reconstruction:** Rebuilding natural habitats to support biodiversity.

	● Environmental Monitoring: Using sensors and AI to monitor environmental health and remediation progress.
Geography:	Zone 1 >25 emp. NW Indiana ● Porter, Indiana, United States ● Lake, Indiana, United States ● Newton, Indiana, United States ● Starke, Indiana, United States ● Pulaski, Indiana, United States ● Jasper, Indiana, United States ● La Porte, Indiana, United States Zone 2 ➤ 100 emp. ➤ ● South Bend, Indiana, United States ● Warsaw, Indiana, United States ● Benton Harbor, Michigan, United States ● Saint Joseph, Michigan, United States ● Valparaiso, Indiana, United States ● Elkhart, Indiana, United States ● Indianapolis, Indiana, United States
Size:	Zone 1 employees >10 and Zone 2 employees >100

