

The Future of Renewable Energy Now



Team Gemini LLC

Integrating Renewable Energy
With Agricultural Sustainability

Concepts and Contributions to Economic,
Environmental and Employment Gains with
“Integrated Solutions”

Presented by Doug Haughn, Partner



Who is... **Team Gemini LLC**
Integrating Renewable Energy
With Agricultural Sustainability

Renewable Energy
Solutions

Water Treatment

Waste Water Treatment

Water Conservation

Design and
Development

Bio-Gas Generators

Alternate Water Sourcing

Thermal Heating & Cooling

Solar Technologies

Private Project Funding

US Green Building Council Certified **GREEN** Design, Build and Integration Contractor

Development and Contracting Services

NEW CONSTRUCTION

Single/Multi-Family, Student Housing
Commercial & Industrial
Hospitality
Developments
Design & Engineering Services:
Architectural
Structural
Mechanical
Civil
LEED
Project Management
Solution Integration & Contracting
Turn-Key Solutions

RETROFITTING

- Housing Authorities
- Government & Municipal Projects
- Schools & Universities
- Hospitality
- Energy Auditing
- Design & Consulting
- Customized Solutions
- Project Management
- Business-to-Business Opportunities
- Solution Integration & Contracting
- Turn-Key Solutions
- Joint Ventures

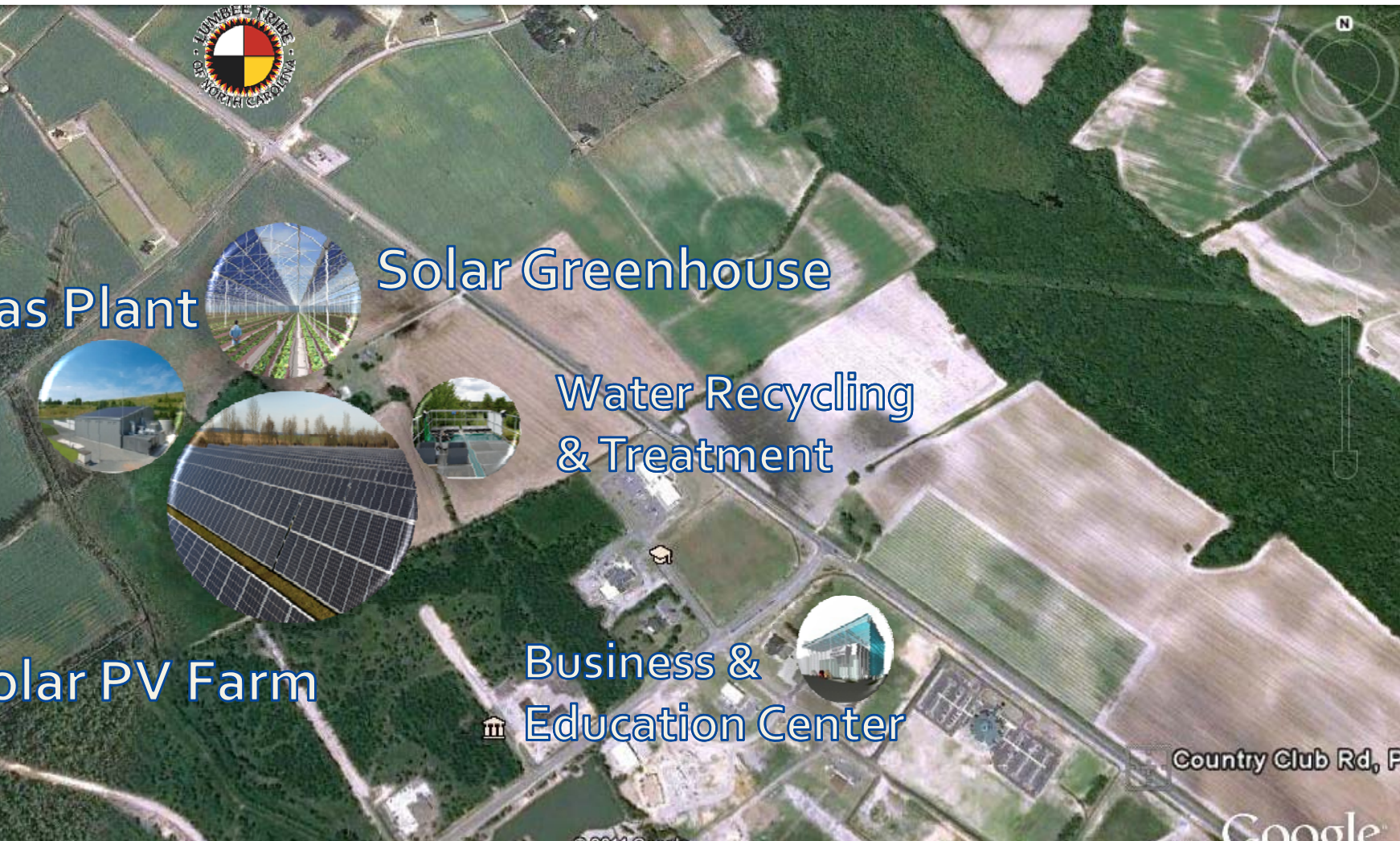
UTILITY-GRADE PROJECTS

- Solar Farms
- Solar Greenhouses
- Biogas Generation
- Water Harvesting & Recycling
- Stormwater Management
- Water Treatment Plants
- Design & Engineering Services
- Business-to-Business Opportunities
- Solution Integration & Contracting
- Turn-Key Solutions
- Joint Ventures



Our Team Designs & Builds Renewable Energy Clusters

That Integrate Renewable Energy & Conservation with Agriculture and Job Creation



Gas Plant

Solar Greenhouse

Water Recycling & Treatment

Solar PV Farm

Business & Education Center

Country Club Rd, F

Google

Job Creation Back to Basics

BUSINESS & EDUCATION

Buy Green, Upgrade, Renovate, Build New

- Change buying habits to always buy GREEN
- Buying Green will pay for itself over time and create GREEN jobs

Encourage Everyone to Learn a Trade (and get experience)

- Plumbing and Solar Thermal
- Electrical and Solar PV
- Air Conditioning and Geo Thermal
- Building / Construction Management
- Engineering and Architecture

Create an environment for learning and teaching others

- Colleges and Universities get Grants for Job Training
- Encourage local Businesses to have Internship and Apprenticeship Programs
- Sponsor Training and Certification Classes
 - Solar
 - Other Green Technologies

Start Small and Aim High

- Everything Plays in to the growing “Green Jobs” Market
- PES is a Partner Company in Team Gemini and 7 years ago was a start-up
 - Now a National Plumbing and Solar Contractor, leading the in the fields of Energy and Water Conservation Plus a Founding Partner in Team Gemini
 - Who Does Professional Energy Services (PES) and Team Gemini Employ?



A COMMUNITY EFFORT CAN MAKE A DIFFERENCE

Solar Valley in Germany started over 15 years ago with two guys and an idea

- Now have More Solar and Renewable Energy production in the whole world
- Solar and Renewable Capital of the World in both R&D and Manufacturing
- A comprehensive educational and training programs with Schools and Universities
- The same Solar Energy ability as Alaska

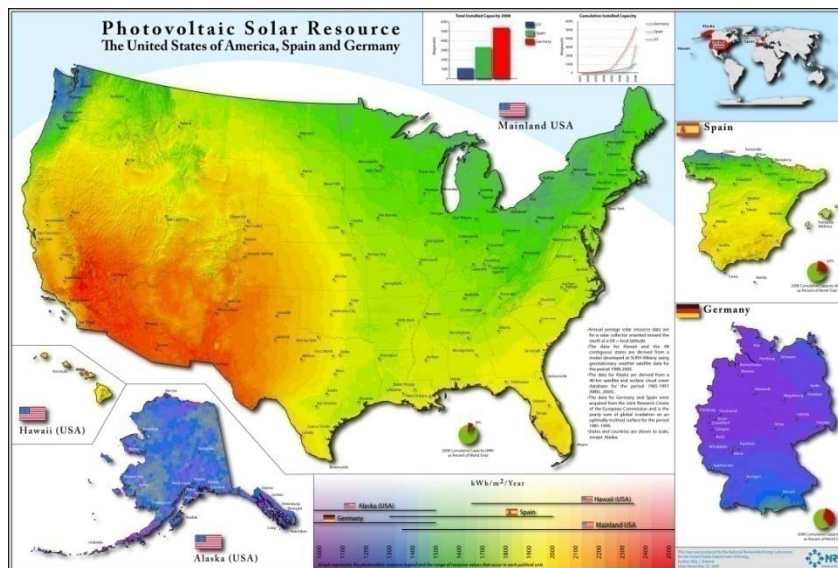
Now Team Gemini is Bringing this to America

- Using Proven Technology now Manufactured in the USA
- Proven in Thousands of Installations
- Proven over Time to Work
- Setting up educational and training programs with Schools and Universities

The Renewable Energy and Agricultural Cluster

- Designed to involve the entire community
- Combines Solar PV with Dry Fermentation BioGas to Generate Power
- Adds a new Technology Greenhouse, introduced in 2007 in Italy.

- Taking Solar PV off the ground and putting it on the roof of an automated and climate controlled greenhouse
- Creating Jobs and Generating more revenue (that can add in other community needs like healthcare and education)



Engineering, Procurement,
Construction

Concept and Design

Architects

Engineering

Permits/ Legal

Financing

Education

Research

Incentives

- Electricians
- Technical Engineers
- Management, HR, PR
- Marketing, Accountants
- Instructors
- Installers/ Laborers
- Quality and After-Sales
- System Monitoring and

Renewable Energy Projects Create Jobs That Stay in the Tribe and Community

Inside and
Outside SALES



Renewable
Energy
Project



End
Consumers

- Transportation/
Distribution
- Logistics
- Warehousing

- Wholesale Sales
- Retail Sales
- Utility Engineers
- Schools & Universities
- Financing
- Reinvest Savings in other
Projects

RENEWABLE ENERGY CLUSTER

Major Components



SOLAR PV FARM



SOLAR PV GREENHOUSE



BIOGAS PLANT



**BUSINESS &
EDUCATION CENTER**



SOLAR PV & THERMAL TO TRIBAL BUILDINGS & HOUSING

- Other Energy and Water Conservation Measures are also available



Energy Cluster Job Creation

s Plant

132 NEW PERMANENT JOBS

- 10 Plant Operation Jobs
- 80 Fuel source industry Jobs
- 10 Jobs (introducing 6 new businesses)
- 13 Sales Staff Jobs
- 19 Biogas Projects Jobs

PV
nhouse

75 NEW PERMANENT JOBS

- 9 Staff Jobs
- 46 Production Jobs
- 20 Business Section Jobs

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32 NEW PERMANENT JOBS

- 10 Education Jobs
- 5 Job Training Positions
- 12 Business Center Jobs
- 5 Maintenance Jobs

PV

10 NEW PERMANENT JOBS

- 4 Monitoring Jobs
- 4 Maintenance Jobs
- 2 Supervisors

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reation

260 TEMPORARY JOBS - Construction

260 Temporary Building & Construction Jobs during 6-8 Month Period

Summary

Everyone creates jobs by going GREEN

Just doesn't create jobs, helps train for the future

- Encourage local businesses to be GREEN
- Involve local schools in GREEN Job Training

Overall together we can create sustainability

With Energy, saving water and creating jobs

What is Next....

**Move Forward with both Renewable Energy,
Education and Related Perminate Job Creation**



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Visit us at the Exhibit Hall

Presented by [Doug Haughn, Partner](#)