



prti[®]

PRTI Overview

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PRTI Inc

- NC homegrown technology company
- Successful, locally-based team
- Proven, scaleable, protected capability
- Vertically integrated waste to energy to technology
- Gaining worldwide attention
- Focus in NC and grow from here
- Opportunity nationwide and international

5 NC sites - 150 direct - 1500 indirect high technology jobs in underserved locations

170 Potential US sites - >5000 jobs*

* direct jobs + approximately 45000 indirect



USA Example

Waste Tires discarded at approximately 1 per person per year

12-16m per year in NC alone

US - 332.9MM tires every year!*

Worldwide - >1BN tires per year**

Each tire represents energy of 3 gals oil - so we waste 1BN gals oil annually

PRTI is the only viable solution,

Landfill, crumb rubber, sports fields all have issues and cost

DoD - Resiliency, waste processing, safe fuels, off grid power and data

<https://www.ustires.org/2018-tire-shipments>

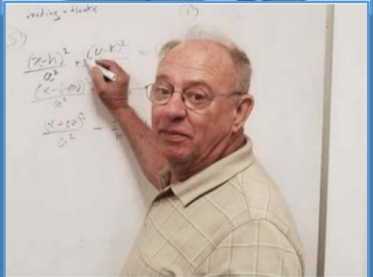
[**https://www.thebalancesmb.com/the-importance-of-tire-recycling-2878127](https://www.thebalancesmb.com/the-importance-of-tire-recycling-2878127)

PRTI Capability

- Over 4 years running production in NC
- More than 25,000 tons of tires processed
- Approaching 10,000 process runs
- Over 120,000 operating hours
- Permitted sealed system & safe site since 2016
- Multi-year agreements for feedstock and outputs
- Waste to enhanced value from energy
- Operating blockchain data center
- Evolving output material science
- Strong intellectual property
- Modular design



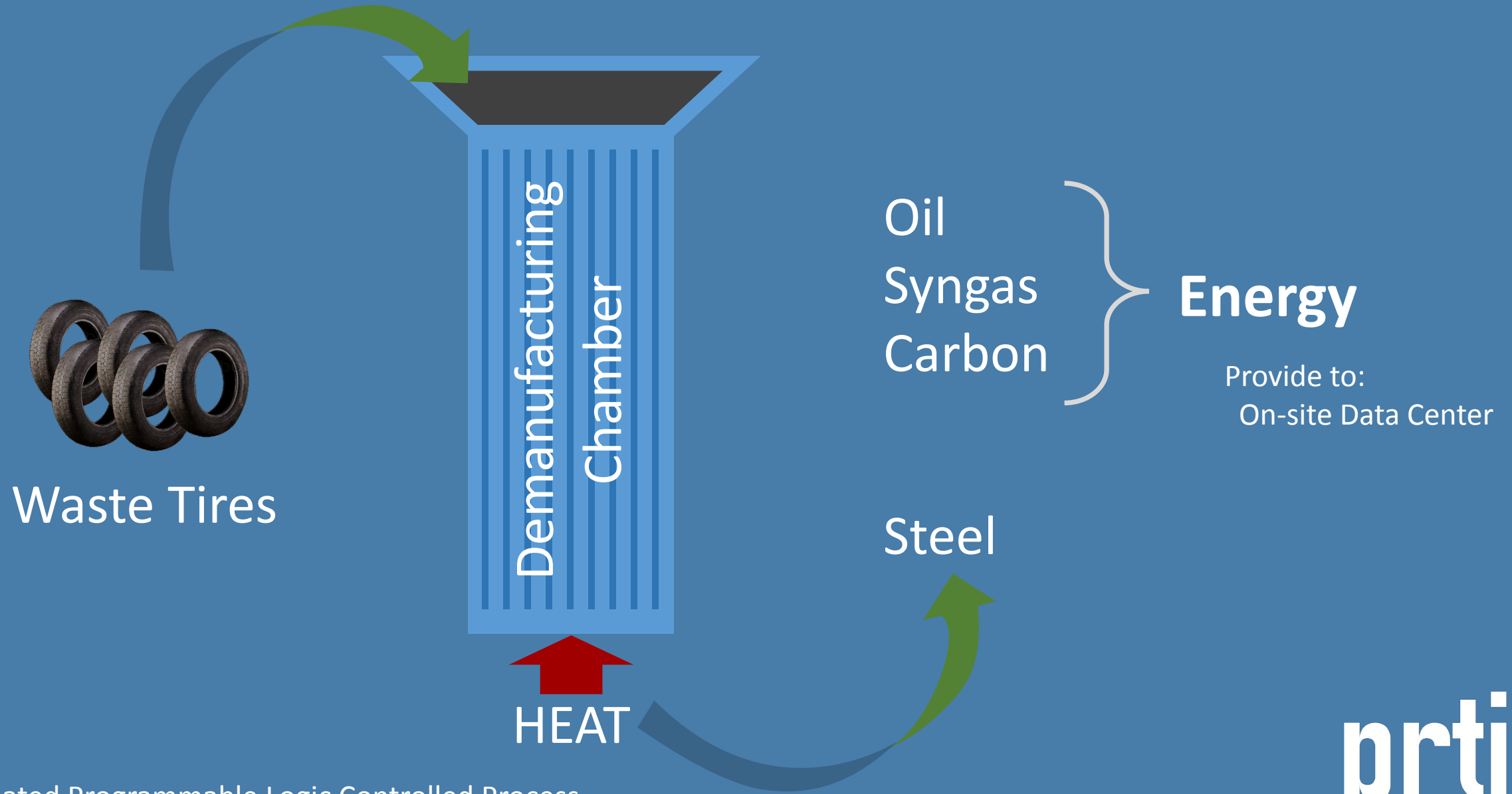
Experienced and Committed Leadership



Executive and Engineering team with multiple \$billion companies, private exits and modular businesses

Markets include Space Program, Telecom, Semiconductors, Healthcare Research, Medicine and Construction

Thermal Demanufacturing[®]



Automated Programmable Logic Controlled Process
NB this is not a pyrolysis process and is very energy efficient

Proven Technology



Intellectual Property

- Issued US patents completed PCT (42+ countries)
- 1 issued innovation patent in Australia
- 3 additional draft patents in process
- Acquired patent portfolio / 12 patents in thermal and solar energy
- 2 US trademarks issued and international trademarks pending
- Documented trade secrets and knowhow



Requirements

- Accelerate growth - Commercial and DoD
- Deploy locations - Waste to Value
- Expand Technology (IP and Implemented)
- Supplement R&D - oil, carbon, plastics
- Present US market leading capability worldwide



Progress

- Virginia DEQ Permits
- Southampton County Municipal-Bond Approved
- 15 site model established \$1.6bn
- KSA Tour Complete
- NC Tech Cleantech finalist
- Now at 42 countries covered by Patents
- LCA Complete
- Army CERL Study Complete

Opportunities & Ask

PRTI and Thermal De-manufacturing contributes NC job, economy, technology and energy

Opportunity

1. 5 site opportunity across NC in rural locations
2. Eliminate 12-16m tires
3. \$300m CAPEX
4. 150 direct, 1500 indirect \$50k jobs
5. National HQ leadership
6. Support homegrown NC success



**ACHIEVING
ENERGY
DOMINANCE**

ASK

Need financial support to support growth in NC.

Support 1-3 sites to growth HQ and process in NC.

Solve environmental challenge with high technology solution.