



A Paradigm Shift in Industrial Drying Technology

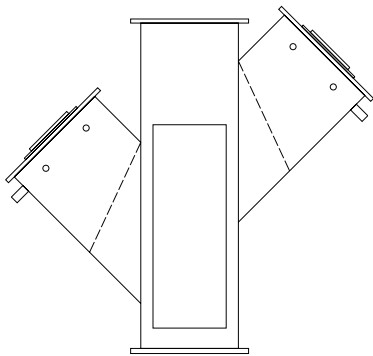
Targeted Microwave Solutions, Inc. (TMS®) is a clean technology company which designs and installs vertical WAVEdri® microwave reactors to dry and process coal, clay and biomass, including wood fibre, in some of the world's largest industries. Our mission is to revolutionize the industrial drying industry by providing a cleaner and more efficient technology. We eliminate polluting emissions, reduce energy requirements and replace traditional drying machinery that is expensive and has a large equipment footprint. We have a significant opportunity to "green" these industries.



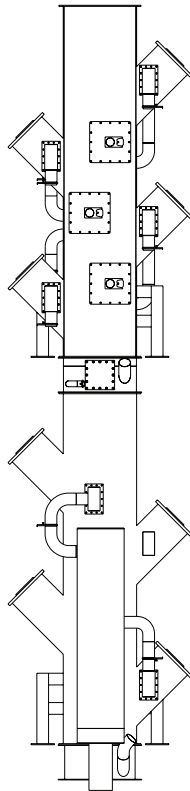
Gen 1.0 WAVEdri®

Gen 2.0 WAVEdri®

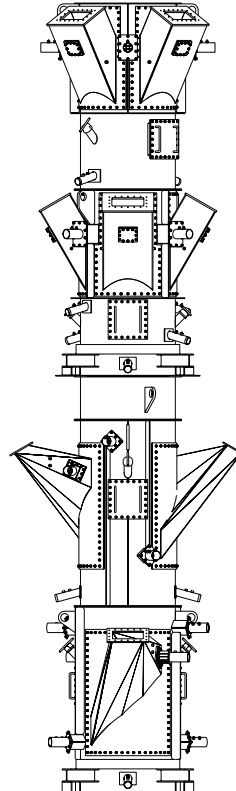
Gen 3.0 WAVEdri®



Laboratory Concept
1.2-1.5 lbs H₂O per kWh



Alpha Model
<2.7 lbs H₂O per kWh



Beta Model
>3.5 lbs H₂O per kWh

EXECUTIVE TEAM

Dr. James Young, Ph.D.
Chief Executive Officer & Chairman

Tom Stefan, CMA, CPA
Chief Financial Officer

Jan Kindler, JD
Chief Operating Officer

Steven Lawson, EE
Chief Technology Officer

ABOUT US

- Global leader in the advancement of microwave technology.
- Entering commercialization phase.
- >\$24M USD invested to date.
- 24 team members, including 4 Ph.D.'s and 7 engineers.
- 8 granted and 13 provisional patents.
- Publicly traded in Canada, United States and Germany.

46.8 | ISSUED &
MILLION | OUTSTANDING

54.9 | FULLY
MILLION | DILUTED

40.02 | INSIDER
PERCENT | OWNERSHIP

INVESTOR RELATIONS

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THE PROBLEM

Rotary Kilns — Powered by fossil fuels

Major emitter of polluting emissions (SOx NOx CO2)

Thermal ambient energy distribution
(conductive heating)

Large and expensive equipment footprint

Not easily scalable

Significant maintenance requirements

THE SOLUTION

GEN 3.0 WAVEdri® — Powered by electricity

Zero polluting emissions

Immediate, uniform and targeted energy distribution
(dielectric heating)

Small equipment footprint with a strong ROI on CapEx

Easily scalable

Minimal maintenance requirements (no moving parts)

Industry Opportunities

COAL



THE CUSTOMER

- Coal Mines
- Power Plants
- Gasification Plants

THE MARKET

- China, India and North America
- 2,000+ Coal-fired Power Plants
- World's 2nd Largest Energy Source until 2030

THE ECONOMICS

- Increase Profitability
- Reduces Emissions
- Improves Energy Efficiency
- Improves Heat Output of Clean Coal
- Significant Savings in CapEx
- Reduces Transportation and Maintenance Costs
- Uniform Energy Distribution
- Generates Process Water

BIOMASS



THE CUSTOMER

- Biomass
- Biofuel Producer
- Industrial Composting

THE MARKET

- North America, Europe and Developing Nations
- USD \$60B+ Worldwide

THE ECONOMICS

- Increase Profitability
- Eliminates Emissions
- Improves Energy Efficiency
- Improves Heat Output of Biomass
- Significant Savings in CapEx
- Uniform Energy Distribution
- Generates Water

CLAY



THE CUSTOMER

- Clay Mines
- Clay-based Manufacturers

THE MARKET

- Cat Litter and Industrial Absorbents
- USD \$4.3B by 2020 Worldwide

THE ECONOMICS

- Increase Profitability
- Eliminates Emissions
- Improves Energy Efficiency
- Significant Savings in CapEx
- Uniform Energy Distribution
- Generates Water