These materials contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. All forward-looking statements are inherently uncertain as they are based on current expectations and assumptions concerning future events or future performance of GYTI. Readers are cautioned not to place undue reliance on these forward-looking statements, which are only predictions and speak only as of the date hereof. In evaluating such statements, prospective investors should review carefully various risks and uncertainties inherent herein and in publically available information on GYTI, including information filed with the SEC. These risks and uncertainties could cause actual results to differ materially from those indicated in the forward-looking statements. GYTI is under no obligation to update this presentation. Further, in the following slides, we discuss global market size in terms of quantity, aggregate $ value and/or $ value per item. In addition we discuss annual capacity per gyrotron installation. Each of these numbers are Company estimates, and should be treated as such. Also, we speak of installation fees and royalty rates. These are targets that may or may not be achieved.
COMPANY OVERVIEW

• GYTI develops & licenses industrial manufacturing solutions based on gyrotron beam heating, which, in a broad range of applications, is far superior to conventional heating methods.

• The Company also markets its Gyrotron Laminating System (GLS) for laminating architectural glass and encapsulating solar modules.

• Gyrotron Technology Inc. has developed numerous gyrotron-based manufacturing solutions for the semiconductor, glass, food, plastics, and solar industries.

• GYTI’s Team has unique R&D experience in gyrotron-beam applications, going beyond the gyrotron’s roots in high-energy physics and developing industrial materials solutions.
GYTI’s Key Investment Highlights

- GYTI is a pioneer in developing, licensing, and integrating gyrotron-based industrial heating applications.

- Gyrotron heating technology is proven, while GYTI’s associated technologies and solutions have been validated by Tier One megacapacitance relationships.

- GYTI’s applications & roadmap address very large, broad, and diverse markets

- The Company has garnered traction and strong interest in some large non-glass markets, with top-tier OEM’s

- GYTI’s value proposition is attractive, for its disruptive solutions: improve cost/process/efficiency for large existing applications and/or enable new ones.

- The Company’s competitive position is strong, and is complemented by a solid and growing patent portfolio

- GYTI’s licensing model is lean, requires low capital intensity, and possesses tremendous operating leverage
GYTI’s Intellectual Property

- GYTI has **7 US patents**, & a number of pending and provisional applications

- GYTI’s 5 gyrotron-beam related patents cover developments in:
  
  
  B. **Glass**: US Patent 9,505,654 - Method for chemical strengthening of glass
  
  C. **Semiconductors**: US Patent 6,423,605 - Method and apparatus for forming ultra-shallow junction for semiconductor device
  
  D. **Plastics**: US Patent 6,368,994 - Rapid processing of organic materials using short wavelength microwave radiation
  
  E. **Critical technical aspects of gyrotron processing**: US Patent 6,424,090 - Modification of millimetric wavelength microwave beam power distribution

- GYTI’s 2 Gyrotron Laminating System related patents for process & equipment design:
  - 7,344,613 - Method for laminating glass sheets using short wave radiation
  - 7,476,284 - Method and apparatus for laminating glass sheets
GYTI’s 2014 10-K discloses license with an unnamed Tier-One glass OEM
  ❖ The licensed technology is being used for glass-bending applications
  ❖ Products are currently in commercial production

5/12/15 announced subcontracting award & development deal with PPG
  ❖ PPG Industries (PPG-NYSE), a $30B Tier-One glass and chemicals OEM, retained GYTI as a subcontractor in a US Department of Energy sponsored project related to the fabrication of highly insulating VIG windows.

In July ‘15 GYTI completed a $58K project for a Tier-One glass OEM that successfully demonstrated through mathematical modeling the technical feasibility of its heat–tempering technology and the numerous advantages it is expected to provide. See slide 17.
Management and Directors

Dr. Vlad Sklyarevich, President, Director and Founder. Dr. Sklyarevich has conducted gyrotron related R&D for approximately 30 years, and is the principal inventor of the Company’s technologies, patents and patent applications. Dr. Sklyarevich holds a Ph.D. in Material Science from the Paton Welding Institute.

Dr. Michael Shevelev, Technology Director. Dr. Shevelev has conducted gyrotron related R&D for approximately 30 years, and is a co-inventor of the Company’s technologies, patents and patent applications. Prior to joining the Company, Dr. Shevelev was at the Paton Welding Institute in Kiev, Ukraine. Dr. Shevelev holds a Ph.D. in Technical Science from the Paton Welding Institute.

Jack N. Mayer, Director. Mr. Mayer was formerly a hedge fund portfolio manager and analyst specializing in complex bankruptcy and distressed situations. Mr. Mayer is a director of Powersafe Technology Corp. (PSFT.PK) and a co-founder of its operating subsidiary, and a co-founder and director of MET Tech, Inc.

Jerome Balsam, Director and Secretary. Mr. Balsam has been a member of the New York Bar since 1982. He clerked for two federal judges and was associated with the law firm of Willkie Farr & Gallagher. He is currently an in-house attorney at Gabriel Capital Corp.
What is the Gyrotron Beam?

The Gyrotron Beam is a high-performance industrial heating source, far superior to Gas, Infrared, or Laser.

The Gyrotron heats ...

- Ultra rapidly, with heating rate of thousands degree per second - large or small objects;

- To any temperature up to over 3,000°C with high repeatability and accuracy better than 1%;

- With precise and controllable temperature distribution.

- Two adjoining materials at very different rates – heating one rapidly while leaving the other one relatively cool.
Target Market: Glass

- GYTI’s solutions replace legacy & less-efficient heating methods, by leveraging the gyrotron’s superior speed, temp-range, precision, & control.

- GYTI has already licensed to, and is dynamically engaged with, a major glass OEM

- KEY APPLICATIONS: architectural and residential glass, heat tempering, chemical tempering, automotive, aerospace, cover glass, melting glass, etc.;
Target Market: Semiconductors

- GYTI solutions can activate boron in silicon crystals, achieving high conductivity and ultra-shallow junctions, which allows for more complex chip designs.

- GYTI believes its gyrotron-based process should dramatically accelerate silicon-carbide activation, & significantly improve efficiency.

Semiconductor Applications

- Annealing wafers
- Photovoltaic thin films (solar)
- Protective coatings
- Silicon carbide semiconductors
**Target Market: Polymers & Composites**

<table>
<thead>
<tr>
<th>KEY APPLICATIONS</th>
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<tbody>
<tr>
<td>Curing plastics and coatings</td>
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<tr>
<td>Curing composite pipes</td>
</tr>
<tr>
<td>Curing construction panels</td>
</tr>
<tr>
<td>Curing car parts</td>
</tr>
<tr>
<td>Drying paper</td>
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<td>Drying tiles</td>
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</table>
**Target Market: Food Decontamination**

- GYTI’s technologies possess attractive prospects in the massive food decontamination and safety space

- For example, meat processing plants typically deploy labor-intensive chemical decontamination methods with sub-optimal results.

- Gyrotron-based systems can achieve record decontamination (99.999%) levels & process efficiency - **improves shelf life, safety & economics**

**DECONTAMINATION APPLICATIONS**

- Beef, Pork, and Poultry
- Solid and semisolid produce
Target Market: Laminating Glass

- GYTI markets its “Gyrotron Laminating System” (GLS), a patented, continuous in-line process and equipment architecture for:
  1. lamination of architectural flat glass
  2. encapsulation of solar modules

- The GLS has major advantages over conventional laminating systems:
  1. Conventional systems require an autoclave for finishing
  2. the GLS reduces capital intensity and improves efficiency

LAMINATION APPLICATIONS

- Windows, doors, floors,
- Auto windshields, side windows
- Facades & decorative panels
- Bullet proof glass
- Solar panels
Some GYTI Addressable Markets

GYTI solutions target a broad range of industrial heating applications, such as:

A. Glass Shaping & Bending
   - Estimated Annual Global Market for Shaped Windshields is $4.5B
B. Glass Tempering
   - Estimated Annual Global Market for Tempered Glass is $34B
C. Glass Chemical Strengthening
   - Estimated Annual Global Market for Chemically-Strengthened Glass is $2B
D. Lamination
   - Estimated Annual Global Market for Laminated Glass is $10B
E. Silicon Wafer Diffusion
   - Estimated Annual Global Market for Silicon Wafer Annealing is $8B
F. Food Decontamination
   - Estimated Annual Global Beef Decontamination Costs are $2.9B
   - Estimated Annual Overall Meat and Solid Produce Decontamination Costs are a large multiple of the above.
G. Forming Automotive Interior Parts
   - Estimated Annual Global Market for Forming Automotive Interior Parts is in excess of $15B
H. And Many More
Any temperature distribution over the glass sheet (different curvatures require different heat distributions) can be realized by scanning the gyrotron beam.
Benefits of GYTI’s glass shaping system VS. current lamp heater arrays

GYTI’s gyrotron-based system enables OEMs to:
- Substantially lower production costs
- Improve automation and process efficiency
- Yield superior end-product, with wider shape varieties
- Improve compliance with new national distortion-testing standards

Market Opportunity for GYTI
- Approximately 100 million windshields need to be shaped annually.
- Average cost per finished windshield unit is $45
- Capacity per GYTI gyrotron-system installation = 120K units per year
- GYTI’s upfront licensing fee = $150K per installation

Accordingly, each 1% of market share, is targeted to yield upfront licensing of $1.2M, & annual royalties of ~$450K, based on a $0.45 per unit target royalty, i.e. a 1% rate.
Main Technological Advantage:
• GYTI’s technology allows tempering while keeping surface temperature 30°C cooler than with current technology.

GYTI’s tempering solutions should enable OEMs to manufacture:
• Glass & low-E coated product without roller marks and waviness
• Stronger product with significantly better optical quality
• With substantially reduced (up to 40%) energy requirements
• With lower production costs, less breakage and less downtime. Also
• Extensive computer modeling shows that thinner glass may be heat tempered which GYTI believes is of strong interest to the automotive glass industry.

Market Opportunity for GYTI
• Annually ~200M square meters (SM) of automotive glass, plus ~300M SM of other glass types, are tempered.
GYTI’s Glass Chemical-Strengthening: Benefits & Market Size

**GYTI’s glass chemical-strengthening solutions enable OEMs to:**

- Strengthen glass in a few minutes, versus hours using current methods
- Significantly lower production costs, and improve process efficiency
- Thus, any glass can be now be cost-effectively strengthened
- GYTI’s disruptive solutions could significantly drive market growth

**Market Opportunity for GYTI**

- The chemically-strengthened glass market is ~$2B per annum
- Average cost of ~$80 per SM, equates to an annual size of 25M SMs
- Capacity per gyrotron installation is ~6 Square Meters per hour = 50K SM per year
- Upfront licensing fee is $250K per installation

Accordingly, each 1% of market share is targeted to yield upfront licensing fees of $1.25M & annual recurring royalties of $600K (expected royalty rate is 3%).
GYTI is engaged with a Tier-One automotive part manufacturer, who is looking to deploy gyrotron-based solutions to form very high volume plastic parts in a far more efficient and cost-effective manner.

Eliminates massive presses, saves energy, labor costs, and space, decreases cycle time from 20 minutes to less than one minute.
The main concept of our process is drying film by heating an assembled product in a vacuum using penetrating electromagnetic radiation that heats the adhesive film more rapidly than the glass.
GYTI’s Lamination Solutions: 
Benefits & Market Size

GYTI’s Lamination solutions enable OEMs to:

• Lower operating costs due to reduced labor, energy and maintenance
• Substantially augment productivity
• Upgrade at a comparable equipment price
• Deal with films, as GYTI’s process is less sensitive to moisture control
• Laminating both glass and solar modules

Market Opportunity for GYTI

• Flat laminated glass production is ~300M square meters annually
• Average cost is approximately $30- $50 per square meter
• Annual capacity per gyrotron installation = 250K SM
• Upfront license fee = $50K per installation

Accordingly each 1% of market share is targeted to generate upfront fees of $600K and recurring annual royalties of $2.3M (target rate is $0.75 per SM)
GYTI’s gyrotron-based wafer annealing solutions:

- Can create *ultra shallow junctions* of less than 70 Angstroms
- Feature *ultra rapid heating*, which provides low diffusion of dopants
- Yield *high conductivity* due to high concentration of activated dopants
- Creates *precondition* for next-gen PCs & electronics devices

**Market Opportunity for GYTI**

- There are ~160M wafers require activation on an annual basis
- Average cost per activated wafer is ~$50
- Annual capacity per gyrotron installation = 1M wafers
- Upfront license fee = $300K per installation

Accordingly each 1% of market is targeted to yield upfront licensing fees of $500K and recurring annual royalties of $1.6M (expected royalty rate is 2%).
The main idea is to selectively and rapidly (in milliseconds) heat a thin surface layer to kill all pathogens on the surfaces of foodstuff without “cooking” material behind said thin layer.

- The USDA estimates foodborne pathogens are responsible for ~48M illnesses annually
- These ~48M food-contamination incidents lead to ~8,000 deaths per annum
- The estimated annual healthcare costs resulting from these cases are $152 billion
- Thus, the ability to improve on incumbent decontamination processes, which are labor intensive and nowhere close to perfection, presents an huge opportunity for GYTI
- GYTI’s target decontaminating opportunities relate to cleaning:
  - Beef, Pork, and Poultry
  - Solid and semisolid produce
GYTI’s gyrotron-based food decontamination solutions can:

- Eradicate 99.999% of bacteria on meat surfaces
- This level is orders of magnitude better than any competitive process

**Market Opportunity for GYTI**

- ~190M beef carcasses need to be decontaminated annually
- Average cost of processing (cleaning) is approximately $15
- The total market for carcass cleaning is $2.9 billion.
- The targeted royalty is $1 per carcass
- Capacity per gyrotron installation = 1M carcasses/year
- Upfront license fee = $400K per installation

Accordingly each 1% of market share is targeted to generate upfront licensing fees of $800K, and a recurring annual royalty of $2M.
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