

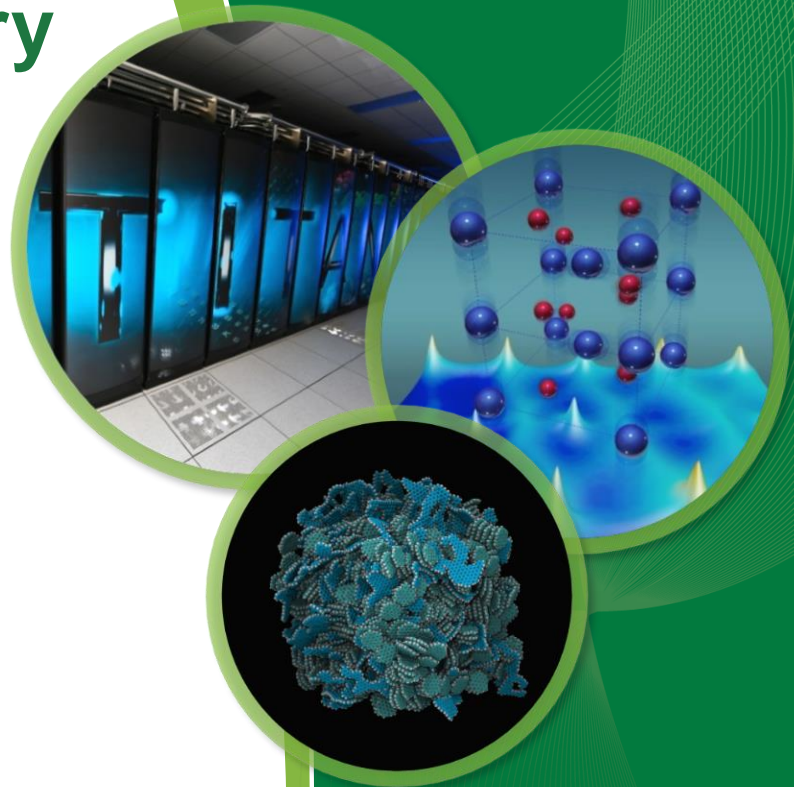
# Collaborating with Oak Ridge National Laboratory

**Jesse Smith**  
Manager, Industrial and Economic  
Development Partnerships  
Oak Ridge National Laboratory

***Spark!***

Knoxville, Tennessee  
June 21, 2016

ORNL is managed by UT-Battelle  
for the US Department of Energy





"You've never caught a mouse and I've never eaten homework. How do these crazy rumors get started?"

# LED North America



## SUPERSPORT™ 2.0

*The SuperSport 2.0 luminaire is the smallest, lightest, and most technologically advanced arena sport lighting solution available.*

"The proximity to ORNL gives the us the opportunity to work closely with ORNL"  
Andrew Wilhelm (President, LED North America)





# Eagle Bend Manufacturing, Inc.

- Process validation of in-die hot stamping for improved cost benefit
- Reduce costs of laser cutting while improving dimensional and structural requirements
- New process provides a competitive technical edge



 **MAGNA**  
**COSMA BODY SYSTEMS**  
**EAGLE BEND MANUFACTURING, INC.**



# Local Motors

- Collaborated with ORNL & Cincinnati, Inc. to print the world's first car at IMTS in Chicago (September 2014)
- New Micro-Factory in Knoxville near MDF





# Techmer ES

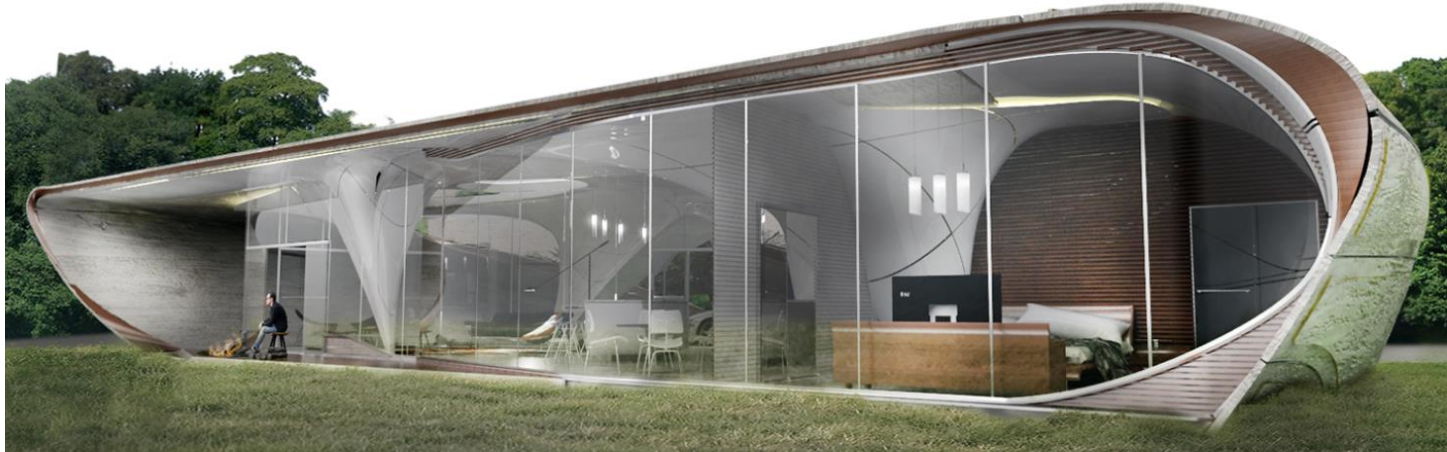




# Branch Technology

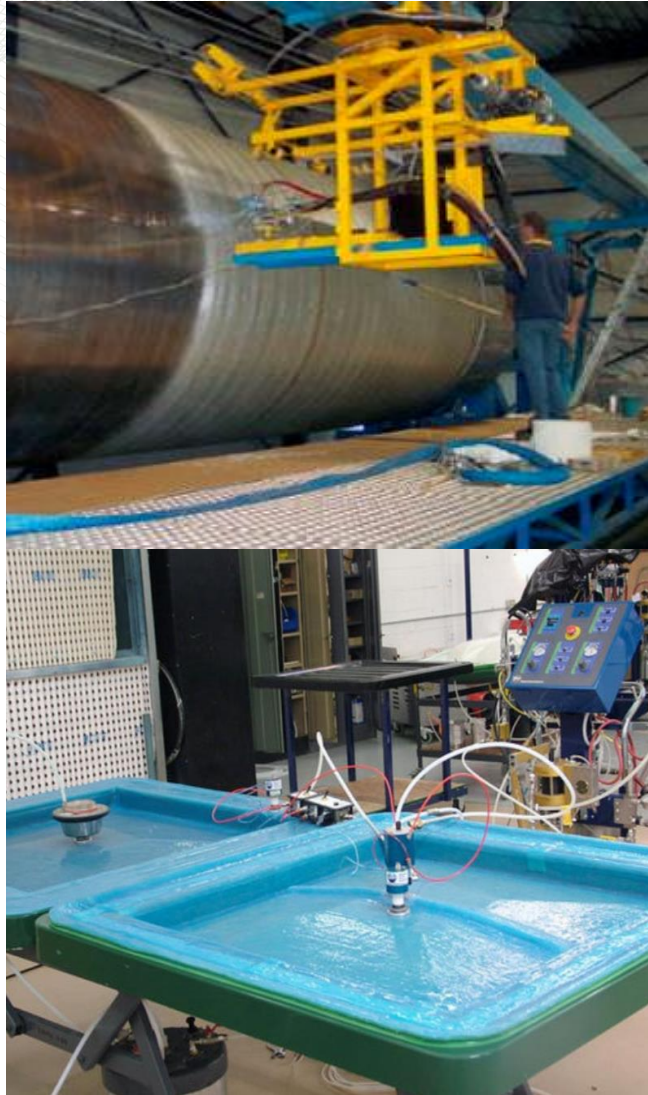


Branch  
TECHNOLOGY





# Magnum Venus Products



“MVP has had a great relationship with ORNL from the very start.”  
- Peter Hedger Jr.



# Cosine Additive

## Composite Nosecone Layup



**MATERIAL:**  
TECHMER ELECTRAFIL  
J-50/CF/10 (90% PC, 10% CF)



**DIMENSIONS:**  
12" X 6" X 3"



**PRINT TIME:**  
8 HOURS



**WEIGHT:**  
1.2 KG



**MATERIAL COST:**  
\$90.00



# Partnerships





# Oak Ridge National Laboratory: Scientific discovery and innovation for clean energy and global security

[www.ornl.gov/Partnerships](http://www.ornl.gov/Partnerships)

For more information:

Jesse Smith

[smithj1@ornl.gov](mailto:smithj1@ornl.gov)

865-228-8794

