

University and Private Sector Collaboration Strategies

Sustainable Chemicals and Process R+D / Commercialization

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Tom Czartoski
SRS
Dexter, Michigan, USA
tczartoski@teamusi.com



A Purification & Separations Technology & Service Company

Company Snapshot

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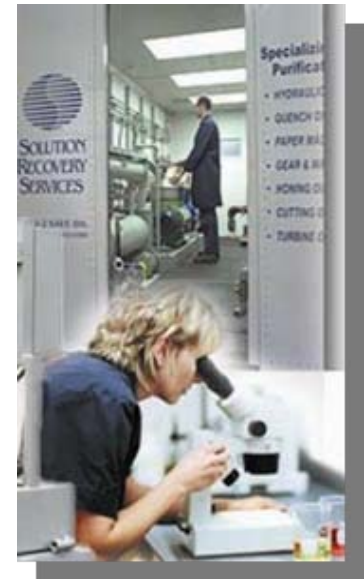
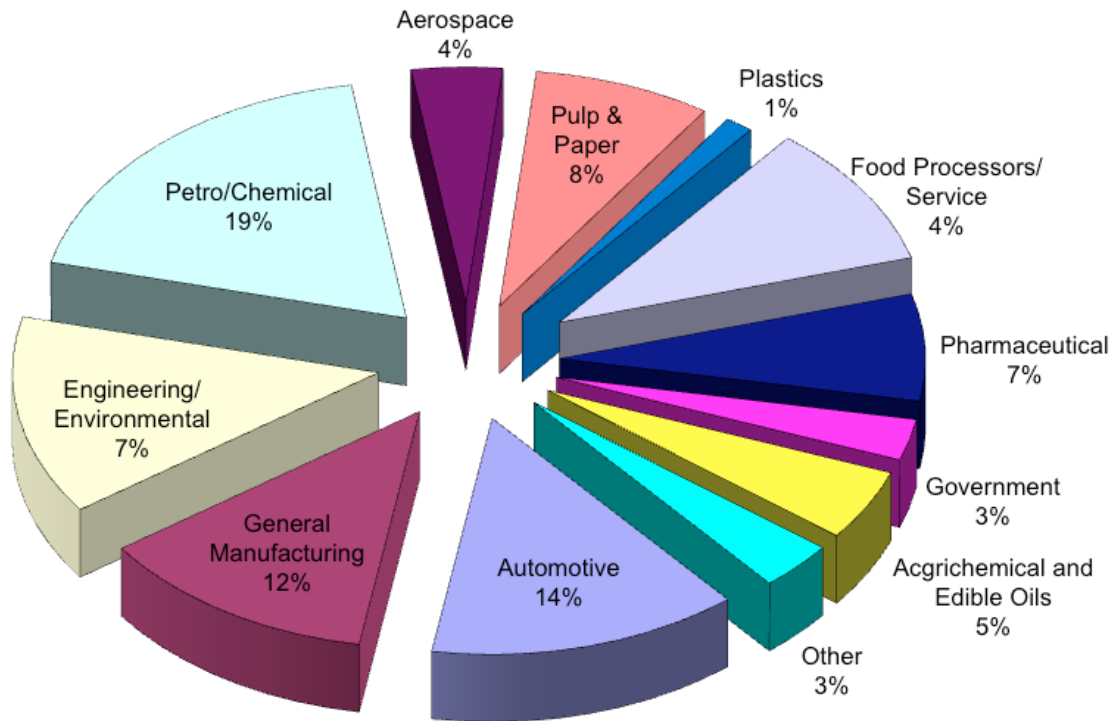
Purification and Separation Technology and Services Company

- HQ in Dexter, MI
- Operations in 13 States
- 190 Employees / 8 Facilities
- 3,500+ Customers
- \$60 Million in Sales

Market Segmentation



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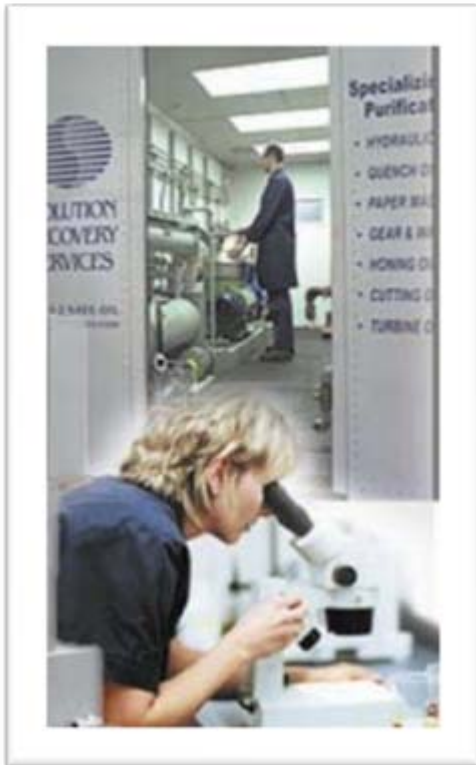


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Our Approach



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Client site purification services



Turnkey specialty equipment Design, Build, Operate and Maintain (DBOM)

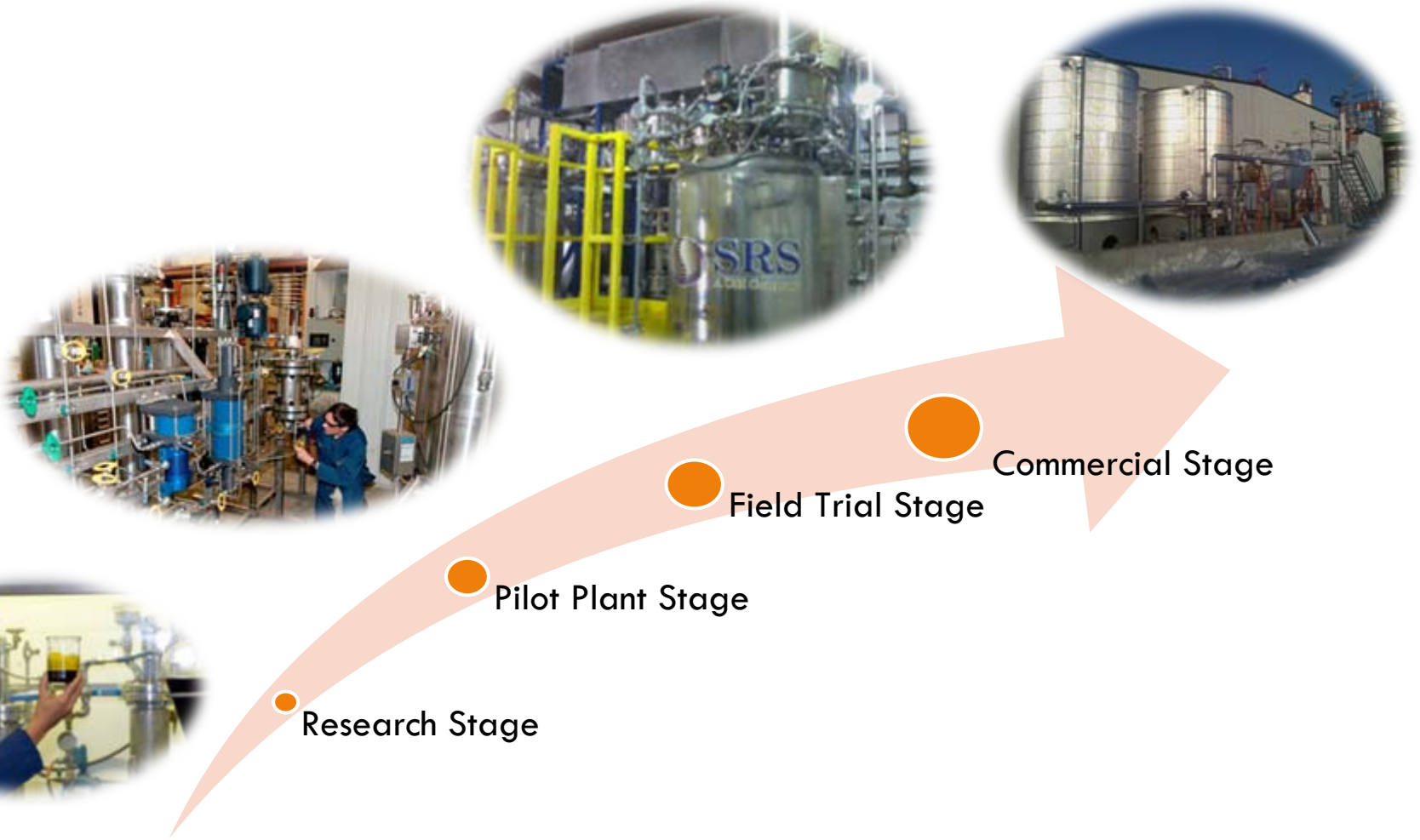


SRS centralized fluid processing services

Technology Development



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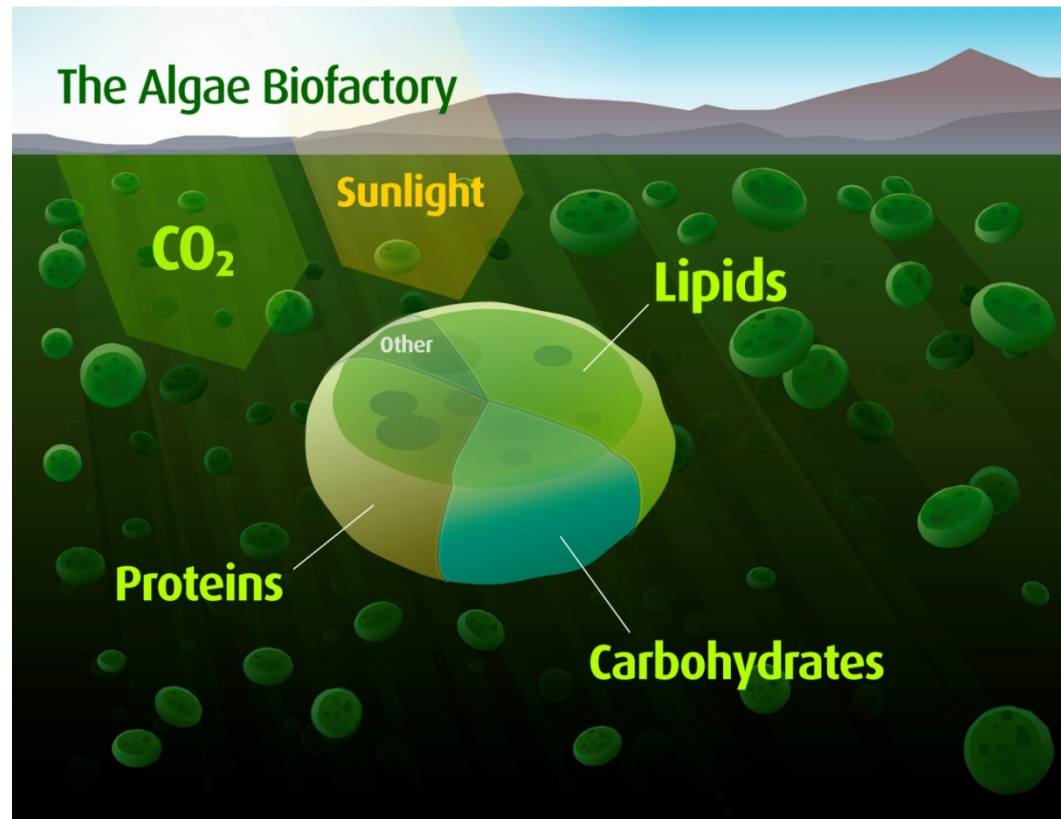


University of Michigan and SRS Collaboration

Example - Algae

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- **Algae Fractionation and Product Conversion Technology Suite**

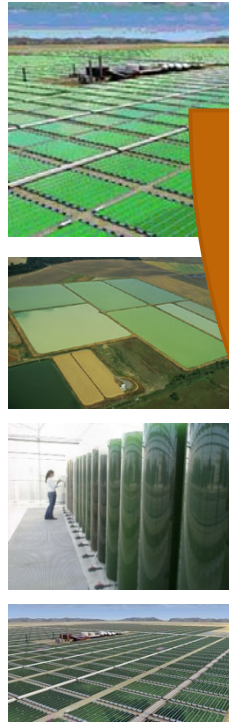


The Algae Value Chain



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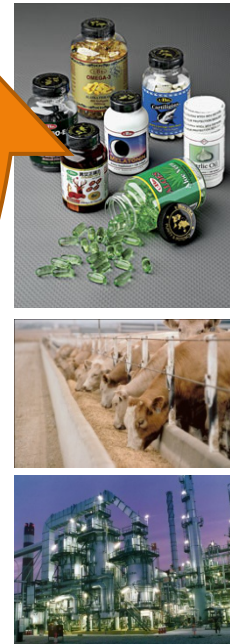
Growing



Fractionation



Products



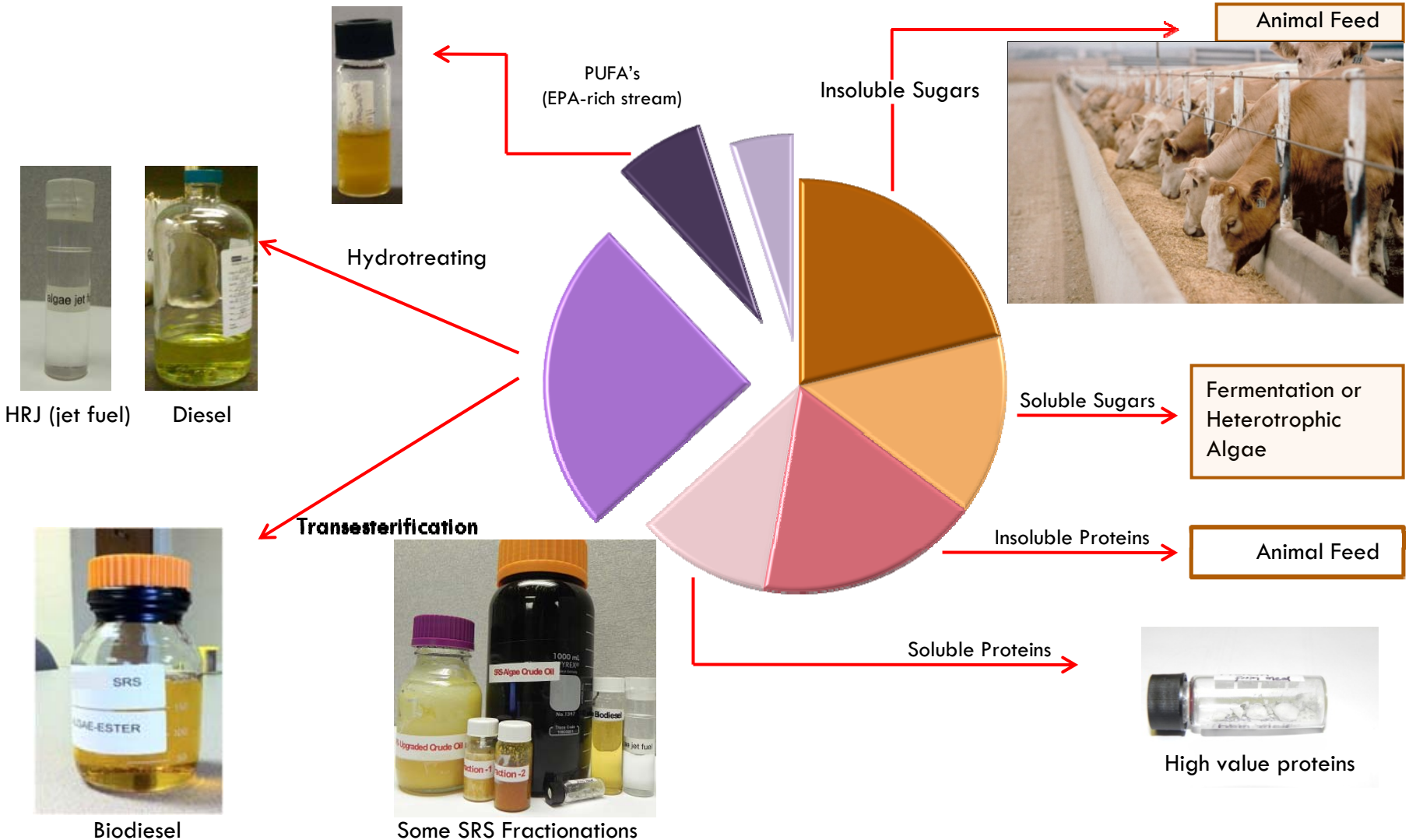
HUNDREDS

FEW

HUNDREDS

NUMBER OF COMPANIES

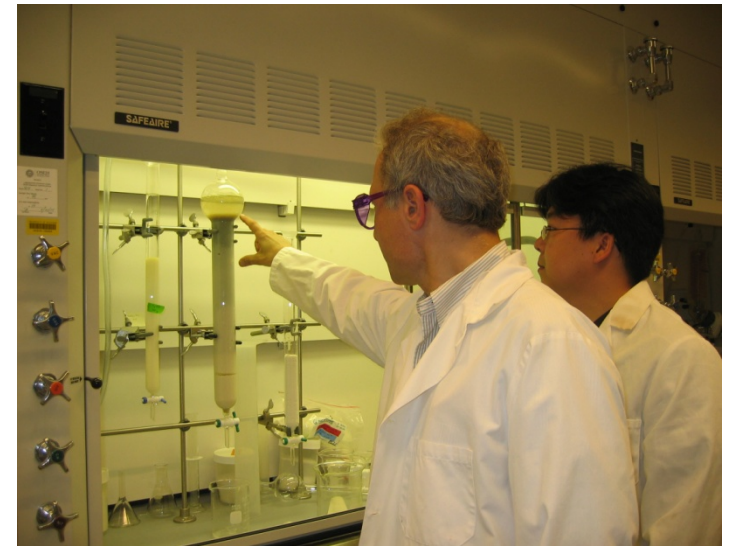
Upgrading to Products



- Prof. Phillip Savage, Chemical Engineering Department
 - ▣ Sponsored Research
 - ▣ Analytical Support
 - ▣ Grant Collaboration
 - ▣ Summer Interns
 - ▣ Prospective Commercial License Agreement



- Prof. David Sherman, Life Sciences Institute
 - Sponsored Research
 - Analytical Support Services
 - Grant Collaboration
 - Summer Interns



Other Active SRS Development Programs and University Collaboration Opportunities



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- ❑ Waste Oil Fractionation for Recycled Industrial Lubricants
- ❑ Cell Cultures and Bioreactors for Sustainable Vegetable Oil Production
- ❑ Corn Ethanol Carbon Dioxide Capture and Water Reuse



Private Sector and University Collaboration – Win/Win



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- **Private Industry**

- Leveraging tremendous technical equipment and skills
- Recruiting talent
- Wide range of disciplines and expertise available for focused projects
- Interim / summer help
- Commercialize valuable IP

- **University**

- Source of market intelligence
- Student real life experiences
- Quickly engaging discoveries into the market place
- Source of interesting challenges
- Extension from the researchers bench to prototype and pilot operations

***Time to build a sustainable economy is short
LETS GET TO IT***