



EERE NATIONAL LAB IMPACT SUMMIT



MAY 4, 2016
GOLDEN, COLORADO

Deepak Dugar, Co-founder, Visolis

MIT (MS, MBA, PhD, Chemical Engg.)

IIT Delhi (B.Tech, M.Tech, Biochemical Engg.)

Master's thesis: Algal photo-bioreactor design

PhD thesis: High octane biofuels (Prof. Greg Stephanopoulos)



iit delhi



Gourav
Enterprises

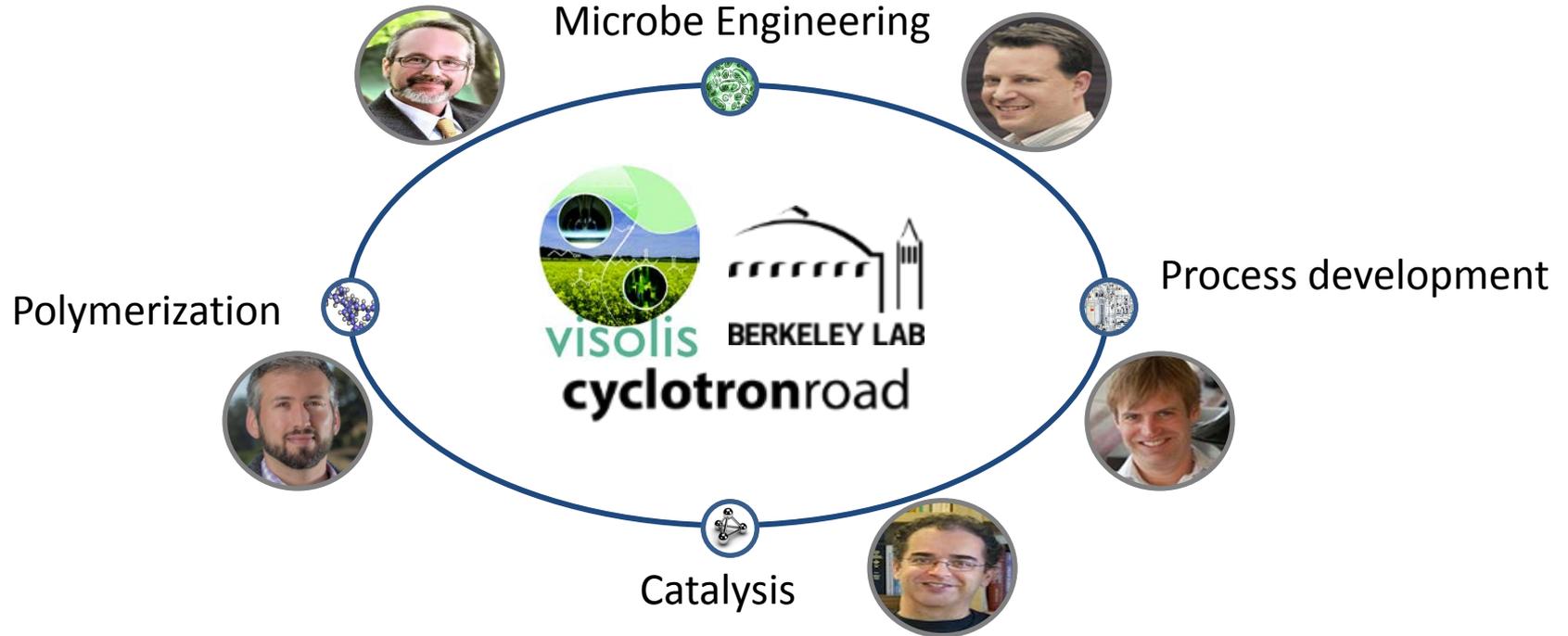


VISIONS is a platform technology for cost competitive production of bio-products

- ❖ Drop-in products:
Methyl isopropyl ketone (MIPK),
Methyl vinyl ketone (MVK),
Isoprene
- ❖ Other platform applications:
Epoxyes, Polyurethanes,
Unsaturated polyester resin,
green solvents, alpha olefinic
compounds etc.



Multi-disciplinary expertise to develop and scale-up our platform



Proof-of-concept to pilot in 6 months

Research

Scale-up to Commercial Production

- ✓ Yield
- ✓ Titer
- ✓ Productivity

500ml Lab Scale

5L Scale



2015-17
0.3-9 kL Pilot Scale
on-going



2017-19
200kL Demo-scale



2020
Commercial start

