



Kernel Fiber Technology KFT™

“A Proven & Diverse Value Proposition”

***Leveraging Gen 1 Bioethanol facilities
September 25, 2019***





PRODUCTION FACILITY

6059 159TH Street
P.O. Box 208
Galva, IA 51020



ADMINISTRATIVE OFFICE

100 East Third Street
P.O. Box 208
Galva, IA 51020

Kernel Fiber Technology KFT™



Quad County Corn Processors Mission

**“Quad County Corn Processors Cooperative adds value to corn through innovation,
which creates shareholder value.”**



Kernel Fiber Technology KFT™





KFT's proven & diverse value proposition

- Increased distiller's corn oil yield
- Premium for concentrated protein & improved digestibility
- Increased ethanol yield
- Cellulosic D3 RIN value
- Low carbon intensity premiums in carbon markets
- Potential federal cellulosic ethanol tax credit





Distiller's Corn Oil

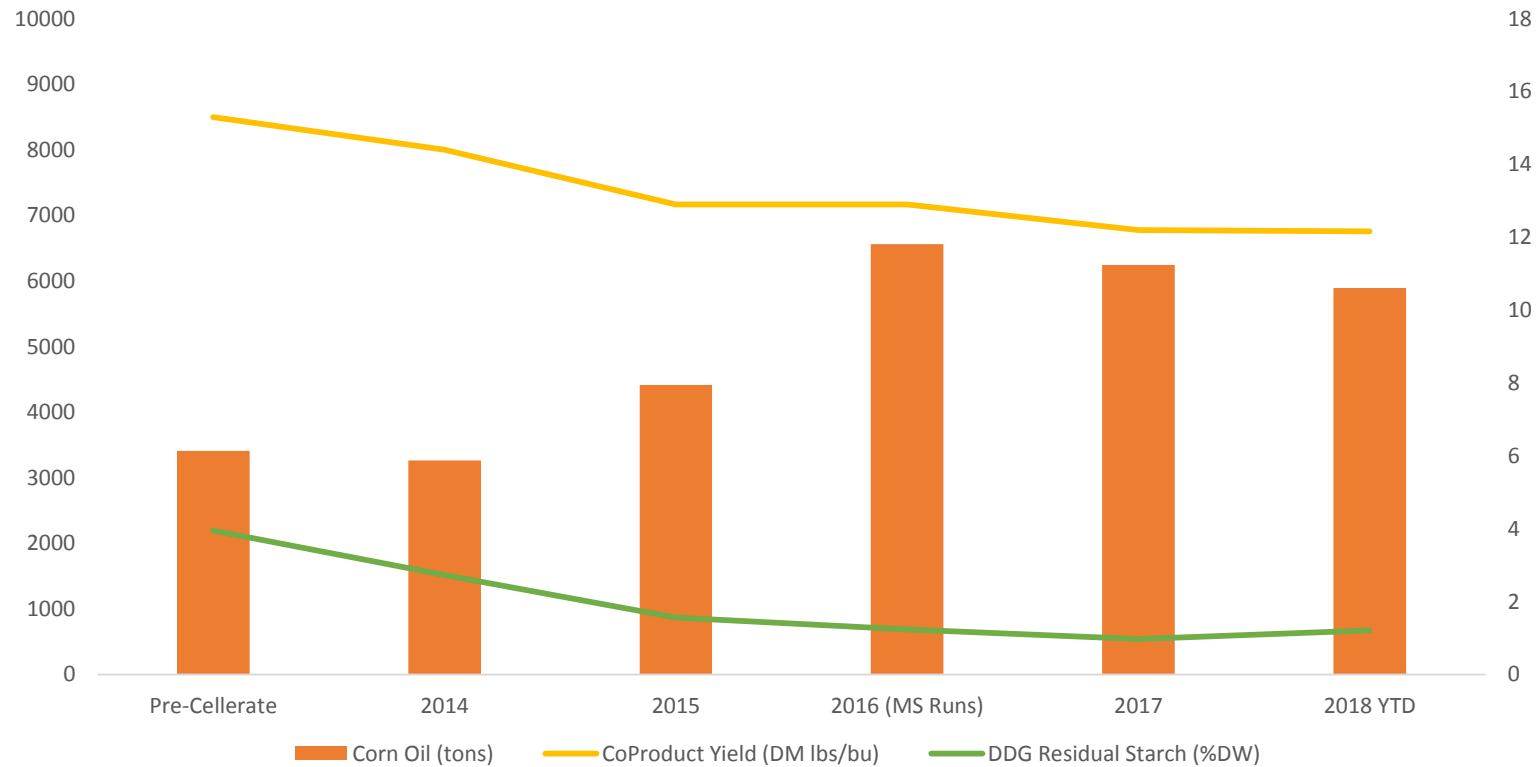


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Corn Oil vs. Co-Product Yield/Residual Starch



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Ethanol Yield



¹ www.ethanolrfa.org Monthly Implied Average Denatured Ethanol Yield



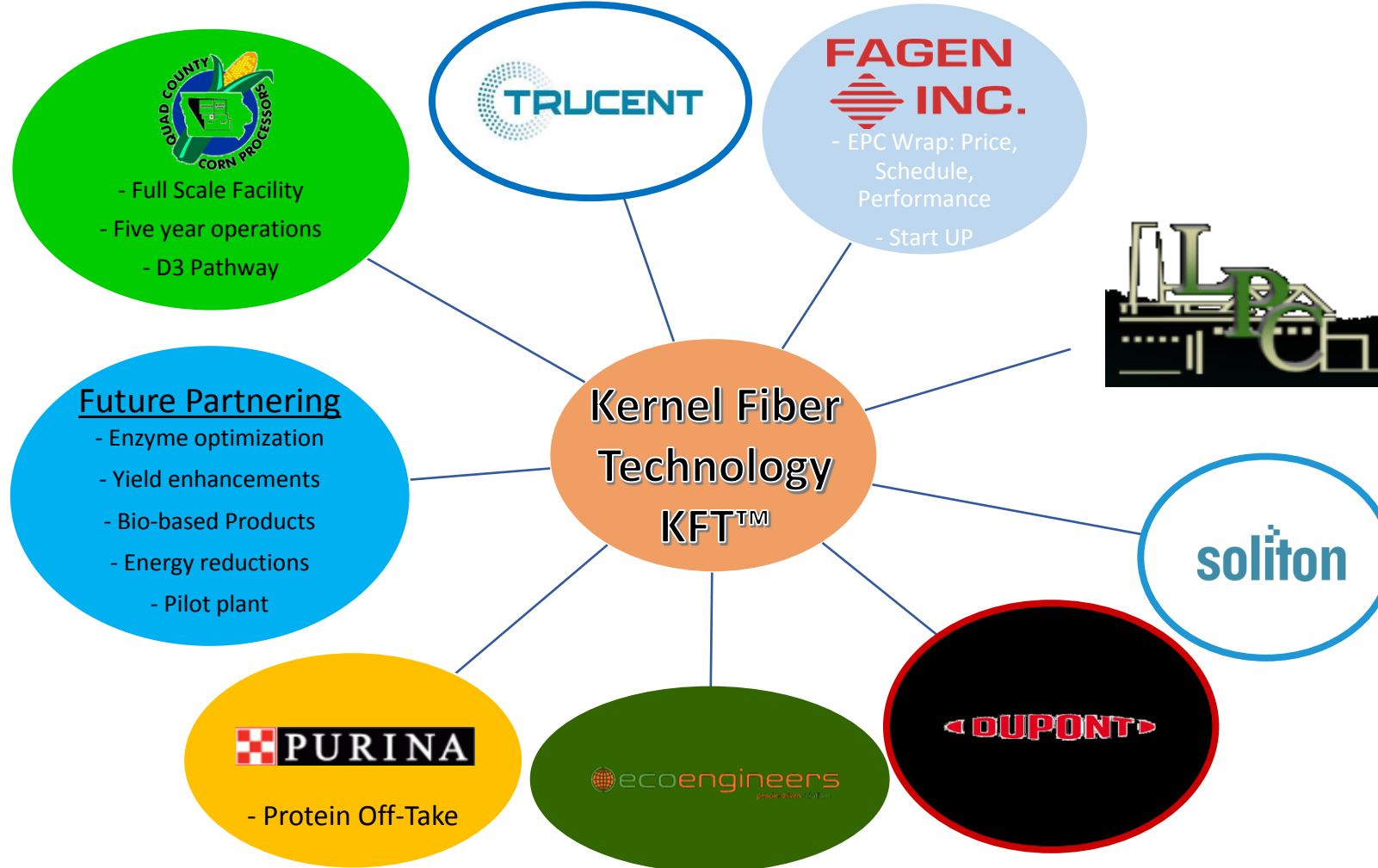
Kernel Fiber Technology KFT™ “Certainty”



- Fagen Inc. provides Engineering, Procurement and Construction wrap (EPC) & Process guarantees
- Purina can provide High Protein Feed off-take contracts with premium
- Comprehensive financial Value Model tested by CFO Systems provided as initial feasibility to evaluate customer specific business conditions and ROI
- Tailored Mass and Energy Balance with Aspen Modeling specific to each customer provided by Litzen Process Consulting as part of the feasibility evaluation
- Low CI product providing entry into CA markets
- Kernel Fiber Technology KFT™ utilizes traditional ethanol plant equipment



Partnerships



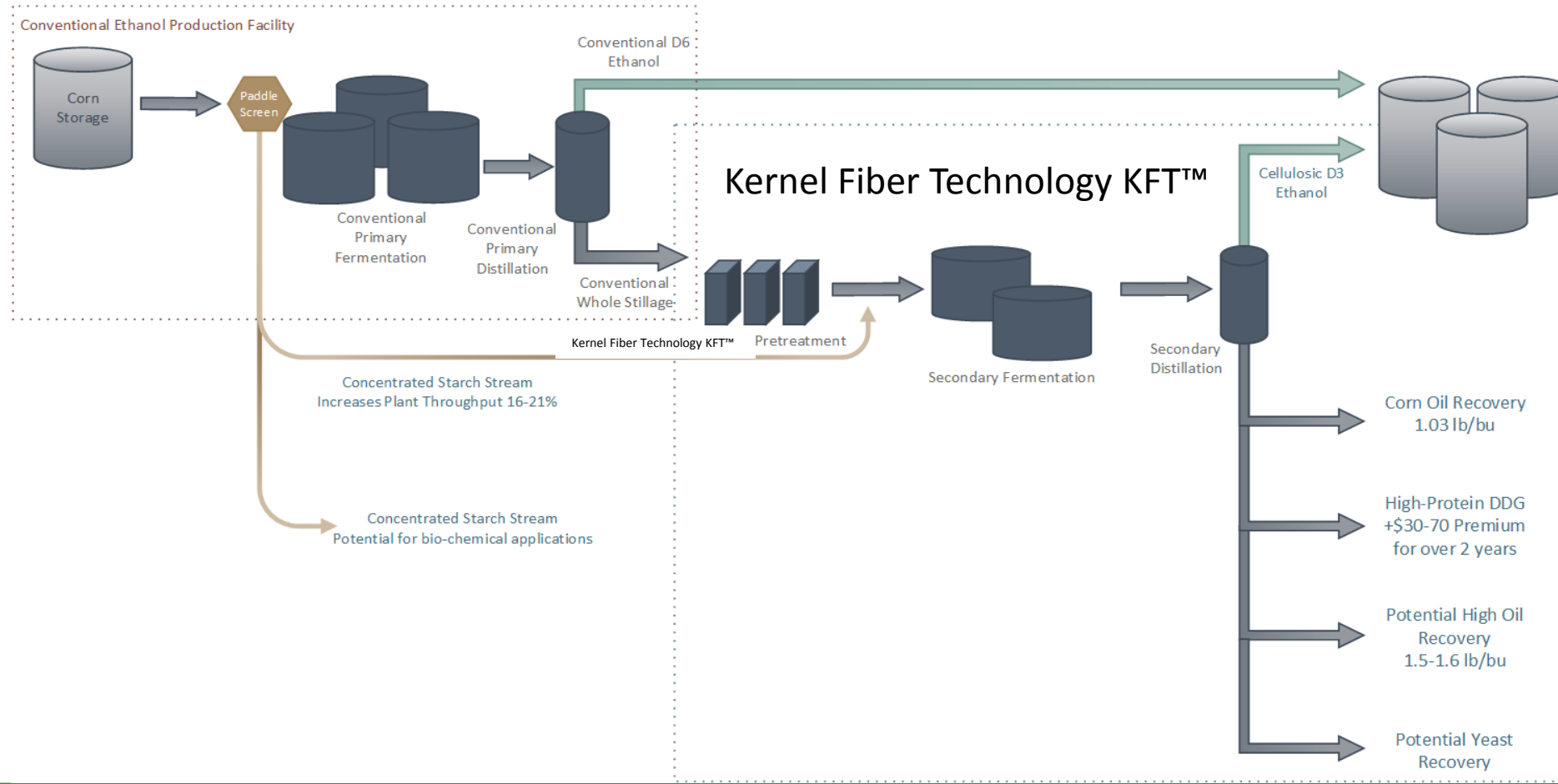
Multiple opportunities for future downstream high-value products that create additional value



Kernel Fiber Technology KFT™ Process Flow



Kernel Fiber Technology KFT™



Kernel Fiber Technology KFT™





Technologies following Kernel Fiber Technology KFT™

- Starch Rich Stream – Patent applied for July 2017
 - Bio-Chemicals
 - Feedstock for non-fuel industrial products
- Distiller's corn oil yield improvement up to 1.6 lbs. / bushel of corn
 - QCCP piloted for 2 weeks on 10% of our production
 - Scaling to 100% of production in progress
- Additional protein value increase using an add-on technology
 - Reviewing and validating the hypothesis
 - Next stage - small scale production and feeding trials





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Quad County Corn Processors

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