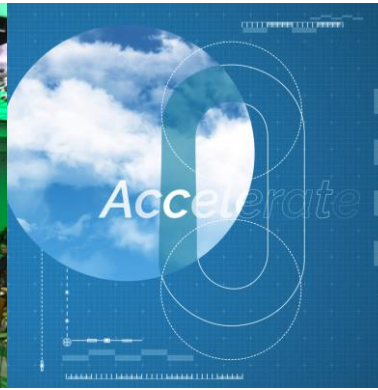




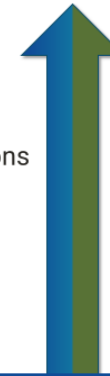
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Ignite^X DAC Accelerator



- Access to **Disruptive** Innovations
- **Expand** Portfolio of Solutions
- Explore **New Markets**



Ignite^X Startups

- **De-risk technology**
- **Access to**
 - Technical & market expertise
 - Network of Clients & Partners
 - Engineering & Mentorship
- **Accelerated growth**



	RTI LABORATORIES				BLACK & VEATCH				
	TRL 1	TRL 2	TRL 3	TRL 4	TRL 5	TRL 6	TRL 7	TRL 8	TRL 9
Technology Maturation Plan	Idea	Lab	Technology	Pilot	Process Development	Viability Demonstration (1/100 th Scale)	Transition to Commercial (1/10 th Scale)	Commercial Scale Demonstration	Commercial Deployment
Startup Activities and Objectives	<ul style="list-style-type: none"> • Basic Technology Research • Basic science validated through peer reviewed publications and patents • Lab scale applied research to reduce scientific risk • Well defined value proposition 		<ul style="list-style-type: none"> • Technology development & key unit operations • Lab Scale, repeatability, quality, quantitative verification of process • Bench/Prototype scale testing of technology • Conceptual core technology process design development 		<ul style="list-style-type: none"> • Core technology demonstration & all unit operations • Development and utilization of TEA to inform optimization (technology, experiments) • Pilot Scale with integrated tests producing samples of final product. Process Eng. Data gathering to inform scale-up 		<ul style="list-style-type: none"> • Demonstration scale plant (including all sub-systems) development, testing and final operation conditions • Continuous integrated operation of 1/10th scale for 1,000 hours and data collection • Document pilot performance and engage with independent engineer to obtain investor confidence 		<ul style="list-style-type: none"> • Detailed process model & engineering deliverables to support project execution & const. planning & estimate • 1st commercial scale project development & plant operations
Ignite ^X - DAC Accelerator Activities	Technology Review & Validation Preparation for Project Execution				Preparation for FEL-1 Project Execution		Preparation for FEL-2 Project Execution		Preparation for FEL-3 & EPC Project Execution including Detailed Design, Construction & Commissioning