Tucson, Arizona – November 1, 2022

Ridgetop is proud to announce that our team was selected to participate in the Innovation Spotlight at the 2022 Defense Tech Connect and Smart Cities Connect Conference and Expo in National Harbor, MD from September 27th-29th. Wyatt Pena (our Director of Operations) and Arsh Nadkarni (our Engineering Intern), spent their last week of September in the National Capitol region meeting with private-sector companies and government agencies, and highlighting the diverse range of Ridgetop's products and their technological applications. During the Tech Connect Innovation Spotlight, we were able to highlight our CellSage™ Battery Modeling Simulation and Analysis (MS&A) software, as well as a recent Fault Management simulation project we did in collaboration with NASA. Arsh also presented his poster "Condition-Based Maintenance (CBM) and Diagnosis of Local Faults in Gearbox and Bearing Systems using RotoSense™ and ARULE™".

CellSage is an advanced battery and cell aging software simulation platform from Ridgetop Group that represents over a decade of research in electro-chemistry, physics, and thermodynamics. CellSage can assess how various battery chemistries age and degrade in response to different usage profiles during a simulated battery life cycle, and the technology helps battery end users and battery manufacturers optimize their investment in battery designs for target applications. It is one of the first commercially available solutions to simulate how common stress factors such as temperature conditions, cycling severity, chemistry type, and complex duty cycles impact battery performance over time.

ARULE is an innovative predictive analytics software application used to process and analyze condition-based data (CBD) sets from complex systems and has been proven effective for various Prognostic Health Management (PHM), and Integrated Vehicle Health Management (IVHM) applications. ARULE employs an advanced prediction method related to extended Kalman Filtering as well as other techniques and methods to produce new RUL, SoH and PH estimates for each new sensor data point.

For more information, please visit Ridgetop's website or contact Ridgetop Group directly for a software demo or trial.

Email: marketing@ridgetopgroup.com
Phone: 520-742-3300
Website: www.RidgetopGroup.com
Address: 3580 West Ina Road, Suite 200, Tucson, Arizona 85741 USA