



CARL SUBSIDIARY FLOWWORKS ADDS BOULDER COLORADO TO ITS GROWING LIST OF CLIENTS

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VANCOUVER, BRITISH COLUMBIA-- Carl Data Solutions (CSE:CRL.CN)(CNSX:CRL) (FRANKFURT:7C5) (OTC PINK:CDTAF) ("Carl" or the "Company"), a developer of Big-Data-as-a-Service ("BDaaS")-based solutions for data integration, business intelligence, and Industrial Internet-of-Things ("IIoT") device and applications, is pleased to announce that FlowWorks Inc. has partnered with the Hach Company US Flow Division to provide additional monitoring services to The City of Boulder, Colorado.

Boulder will be using Hach's Data Delivery Services to better monitor flows in the city's sewer system. This flow data is critical to the effective management of this vital piece of urban infrastructure. Hach has partnered with FlowWorks to provide Boulder with the tools they need to perform Infiltration and Inflow (I&I) analysis, set alarms, and transform existing raw data into actionable information through a single web (SaaS) interface. FlowWorks' cloud-based solution means the city has rapid access to their data anytime, anywhere - whether in the office, on the road, or working from home.

In related business, Hach has renewed its waste flow monitoring agreement with the City of Dallas. The FlowWorks application is used by Hach in this project to perform real-time analyses, set alarms, and transform existing raw data into actionable information through a single cloud-based service (SaaS).

Kevin Marsh, President of FlowWorks, commented, "Hach continues to be a great partner for FlowWorks, allowing us to provide municipalities with a comprehensive flow monitoring solution. And, as extreme weather and other events that impact these kinds of infrastructure become more frequent, the need for these kinds of services will continue to grow."

Greg Johnston President and CEO of Carl Data Solutions added "It's great to see FlowWorks growing using Carl's core product which provides the application with a fast and scalable service for data collection, storage and retrieval of time series datasets."

About Hach

Hach analytical instruments, services, software, and reagents are used to ensure the quality of water in a variety of industries in more than 100 countries globally. Learn more at www.hach.com

About FlowWorks

FlowWorks is a powerful Software-as-a-Service ("SaaS")-based application for collecting, monitoring and analyzing all types of environmental data in a flexible, affordable and easy-to-use system. The FlowWorks Application has the unique ability to collect data from all types of monitoring equipment, gauges and sensor hardware, SCADA systems and other sources of public and private data to merge the information into a single platform to perform comprehensive analytics and reporting, saving time and



money for the end user. More information on the FlowWorks Application can be found at www.FlowWorks.com.

About Carl Data Solutions

Carl Data Solutions Inc. is an IoT (Internet of Things) and Big Data as a Service (BDaaS) company that provides collection, storage and analytics solutions for data-centric organizations through a proprietary data collection, storage and retrieval Service. Carl, through its subsidiaries Astra Smart Systems and FlowWorks Inc, helps clients analyze and model environmental data through a powerful end-to-end network of custom sensor arrays combined with SaaS based monitoring, reporting, and predictive modelling applications.

Carl Data's provides cloud-based mass storage services and machine learning (AI) analytical tools provide a fast and scalable solution for very large amounts of data collected by both government and industry. The software suite saves clients time and money by aggregating information from any sensor or source to create a real-time decision support system with deep insights into how to protect infrastructure and assets. More information can be found at www.CarlSolutions.com. For further information please contact:

Cailey Murphy
NNW Communications
Telephone: 604-837-0521
Email: cailey@nnwcommunication.ca

The Canadian Securities Exchange (operated by CNSX Markets Inc.) has neither approved nor disapproved of the contents of this press release.