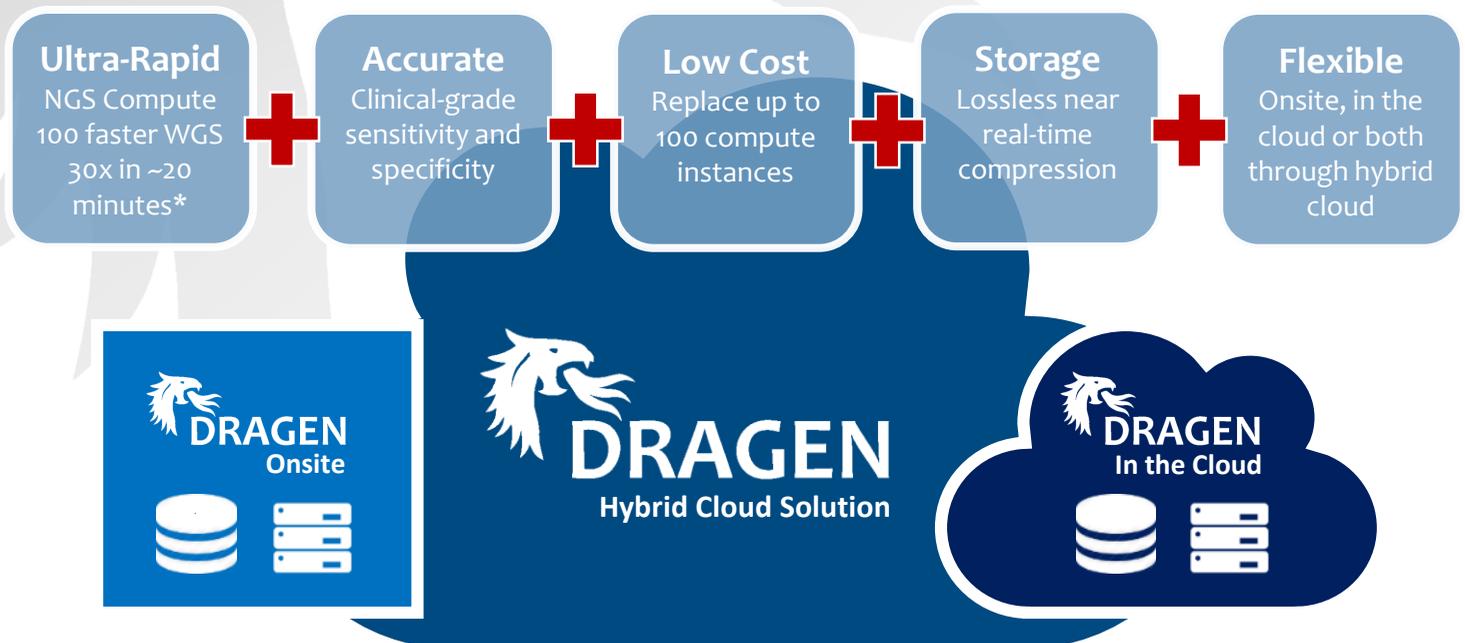# DRAGEN™

DRAGEN Onsite and Cloud Solutions

DRAGEN onsite and cloud offerings enable customers to utilize DRAGEN's ultra-rapid speeds, accuracy and cost savings through the platform of their choosing. Customers can select between DRAGEN onsite or the cloud through our industry-leading partnerships or a hybrid of both, allowing them to securely transfer data analysis and storage between their physical and cloud-based DRAGEN systems.

Ultra-Rapid
NGS Compute
100 faster WGS
30x in ~20
minutes*

+

Accurate
Clinical-grade
sensitivity and
specificity

+

Low Cost
Replace up to
100 compute
instances

+

Storage
Lossless near
real-time
compression

+

Flexible
Onsite, in the
cloud or both
through hybrid
cloud

DRAGEN Onsite

DRAGEN
Hybrid Cloud Solution

DRAGEN In the Cloud

DRAGEN Onsite

DRAGEN onsite can replace 100 traditional compute instances, reducing hardware and maintenance costs. Utilizing proprietary technology DRAGEN conducts secondary analysis in a fraction of the time while maintaining high accuracy. The onsite DRAGEN platform allows customers to analyze and store their data locally. When integrated with DRAGEN's cloud offerings, customers can utilize the DRAGEN hybrid cloud solution to scale up to the cloud during high capacity and return onsite when demand reduces.

DRAGEN in the Cloud

DRAGEN in the cloud enables customers to utilize the same enhanced speed, accuracy and cost savings that onsite provides, but with the flexibility and scalability of the AWS cloud. Through industry leading partnerships with Illumina's BaseSpace Sequence Hub, DNAnexus, AWS Marketplace and Seven Bridges, customers can run DRAGEN on their preferred platform whenever needed. DRAGEN on the cloud is enabled by Amazon's FPGA instances (EC2 F1), and leverages the storage features of Amazon's S3 for secure storage of large amounts of data in the cloud.

* Speeds based on DRAGEN onsite and executed on an AWS F1 16xlarge instance

edico genome

DRAGEN
by edico genome
DRGN5500-001
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V0.9-000

DRAGEN Onsite Partners

DELLEMC

The DRAGEN platform and Dell EMC Isilon storage bundle provides a pre-configured, out-of-the-box solution for ultra-rapid analysis and hyper-efficient storage of NGS data. The bundled solution integrates NGS compute and storage into one low footprint application, reducing storage costs while increasing speed and accuracy. DRAGEN is integrated into a Slimline 1U Dell C4130 sever.

IBM

In collaboration with IBM, DRAGEN is available on the IBM Power System S822LC, harnessing the power of DRAGEN and IBM to provide ultra-rapid on-site genome analysis. IBM's Power Systems S822LC's architecture is ideal for life sciences clients who need more processing power, delivering maximum throughput for applications.

DRAGEN Cloud Partners

illumina®

Illumina's BaseSpace Sequence Hub is a genomics cloud computing platform designed to bring simplified data management and analytical sequencing tools directly to investigators in a user-friendly format.

aws marketplace

AWS Marketplace is an online store where you can sell or buy software that runs on Amazon Web Services (AWS). AWS Marketplace complements programs like Amazon DevPay and the Amazon Partner Network.

DNAnexus

DNAnexus provides a global network for sharing and managing genomic data and tools to accelerate genomics. The DNAnexus platform is optimized to address the challenges of security, scalability, and collaboration, for organizations that are pursuing translational informatics genomic-based app-roaches to health, in the clinic and in the research lab.

SevenBridges genomics

The Seven Bridges Platform supports research and development projects at all stages, across diverse therapeutic areas. Clients use Seven Bridges to integrate and analyze their molecular and clinical data assets in order to find and validate targets, discover clinical biomarkers and design personalized therapeutics.

About Edico Genome

At Edico Genome, we're helping usher in the new era of personalized medicine by enabling a fundamental change in healthcare with customized treatments and data-driven insights tailored to the individual. At the heart of personalized medicine, DNA sequencing technology is advancing at an even more rapid pace than the cell phone revolution. By increasing the speed and accuracy for NGS data analysis, such as whole genome sequencing (WGS), our computing platform makes it easier to discover links between DNA sequence variations and human disease.

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