

Bringing personalized medicine to citizens



Novo Genomics

Healthcare start-up Novo Genomics is laying the foundations for personalized medicine in Saudi Arabia, with cutting-edge sequencing using the Lenovo Genomics Optimization And Scalability Tool (GOAST) architecture—based on Lenovo ThinkSystem SR630 V2 Servers powered by 3rd Gen Intel® Xeon® Scalable processors.

Customer Problem

To support the development of personalized therapies for genetic diseases, Novo Genomics aimed to bring the latest genomic sequencing capabilities to stakeholders across Saudi Arabia.

Lenovo Solution

Novo Genomics deployed GOAST—a ready-made HPC solution from Lenovo and Intel specially designed for demanding genomics and bioinformatics workloads.

Business Impact

Healthcare organizations across Saudi Arabia can now send genetic samples to Novo Genomics for processing, enabling them to get faster insights than ever before.



“Thanks to our work with Lenovo and Intel, we’re leading the way for genomics research in Saudi Arabia by making it easier for healthcare providers to order and use genomics insights to develop effective, personalized treatments.”

Abdulrahman Alasiri

Biomedical Informatics Director,
Novo Genomics



27x faster genomics analysis



<1 hour for genome sequencing



Enables population-level research

