

Powered by NovoDynamics® AI, our innovative software products and solutions transform data into actionable information and insights that help organizations make better decisions.

NovoDynamics, Inc., an In-Q-Tel portfolio company incorporated in 2001, leverages its pre-eminent data integration, image processing and machine learning IP to develop artificial intelligence (AI) software products and solutions that address highly complex challenges.

NovoDynamics scientists and engineers are experts at aggregating, integrating, and normalizing large, disparate data sets. NovoDynamics technologies are able to extract key information from challenging and degraded sources and uncover critical patterns to create accurate predictive models that support mission-critical decisions.

The company's AI expertise and technology have been used to create powerful products and solutions for U.S. and international organizations across a variety of commercial industries (Health Care, Automotive, Insurance, Chemical and Pharmaceutical), public sector environments (Government, Intelligence and Military) and academic institutions.

Using AI to Address Complex Challenges

At NovoDynamics, we see AI as only one of the many components needed to address complex challenges. Even the most elegant algorithms are worthless if the data isn't properly aggregated, integrated and normalized. Successful real-world solutions require comprehensive design and engineering including thorough data preparation, appropriate technologies and a sophisticated understanding of an industry's unmet needs.

Products

NovoDynamics software products are designed to automate all processes within an end-to-end solution, including data integration, data extraction, data classification and data analysis. The company's products are optimized for accuracy, security, speed and performance and can be rapidly and cost-effectively deployed and scaled.

Current product highlights include:

NovoHealth Dental The industry-leading AI technology for streamlining and analyzing dental insurance claims
NovoHealth® Dental software can help dental insurance analysts more efficiently and effectively uncover claim anomalies within radiographs and other supplemental claims data that may indicate errors, omissions or potential fraud. It can also provide statistical support for clinicians' disease assessments.

NovoRepair The industry-standard process for reducing automotive insurance total loss claims
NovoRepair® software uses real-time, dynamic pricing to assess the financial viability of repairing damaged vehicles rather than declaring them "total losses."

NovoVerus Intelligent optical character recognition for global languages
NovoVerus® software converts image-based content — even when the originals are highly degraded — to actionable digital text with industry-leading speed and accuracy. NovoVerus automatically recognizes and supports global languages based on Roman, Asian, Cyrillic and Middle Eastern alphabets.

David A. Rock, President and CEO

David Rock has significant experience in capturing exciting, high-growth opportunities by creating advanced technologies to disrupt targeted markets. During his tenure as CEO, David has led the development and release of numerous artificial intelligence products, including the NovoHealth Platform. Prior to becoming NovoDynamics President and CEO in 2005, David was the General Manager and Senior Director of Engineering for the KinetDx Solutions business unit at Siemens Medical USA, Inc. While under Mr. Rock's management, the business achieved record revenues and received the 2003 Frost & Sullivan Market Penetration Award by capturing over 50% of the echocardiography PACS market. Prior to working in the medical industry, Mr. Rock performed neural network development as a Research Computer Scientist for the U.S. Government; developed graphics software for LucasFilms, Ltd.; and created a commercial programming language for generating computer-aided-design graphics. In addition to his management and technical experience, Mr. Rock has co-authored eight patents. He holds a BA in Economics and Computer Analysis from Valparaiso University and completed the Accelerated Business Management Program at the Emory University Goizueta Business School.

Kristin Marsh, Vice President, Finance

Kristin Marsh joined NovoDynamics in March 2005 and is the Vice President of Finance. In this role she oversees all aspects of the accounting and finance function. Ms. Marsh brings NovoDynamics the benefit of more than 13 years of finance and accounting experience in the software and technology industry. Before joining NovoDynamics, Ms. Marsh held the position of Corporate Controller for Aston Business Solutions, a Microsoft business applications provider. Prior to its sale to Geac Computer Corporation (now Extensity) in 2003, Ms. Marsh served as Corporate Controller and Chief Accounting Officer at Comshare, Inc., a publicly traded Corporate Performance Management software company. Ms. Marsh has worked in finance and accounting related positions since 1991, including five years in public accounting. She is a fellow of the Institute of Chartered Accountants in England & Wales (FCA). Ms. Marsh received a BA in Chemistry from St. Olaf College and an MBA from the University of Michigan Business School.

Robert Clark, Vice President, NovoAnalytics

Robert Clark joined NovoDynamics in 2014, after 35 years with General Motors Corporation (GM) during which he held a series of executive positions including corporate planning, automotive components operations, vehicle brand marketing and after sales parts and service. He has significant experience in field sales and service operations, warranty analysis, market analysis, corporate finance and planning, and vehicle distribution. Mr. Clark manages the Company's NovoAnalytics custom solutions business. His team applies a consultative approach to develop custom tools that help organizations utilize very large, diverse data sets to address complex challenges. Mr. Clark has a Bachelor of Science degree from General Motors Institute (now Kettering University), and an MBA from the Kellogg School of Management at Northwestern University.

Greg Hunter, Vice President, Business Development and Account Management

Greg Hunter joined NovoDynamics in October 2019 as Vice President, Business Development and Account Management. Mr. Hunter has worked in the Health Care industry for over 20 years, focusing on improving processes and operations. He served as Vice President, Client Engagement for Cotiviti, a leading solutions and analytics company that leverages clinical and financial datasets to deliver insights that help clients improve health care quality, reduce inefficiency and optimize financial performance. Prior to joining Cotiviti, Mr. Hunter was Senior Director of Payment Integrity for Neighborhood Health Plan of Massachusetts. He is an Accredited Health Care Fraud Investigator certified by the National Health Care Anti-Fraud Association (NHCAA) and holds a professional medical coding credential from the American Academy of Professional Coders (AAPC). Mr. Hunter received his MBA from the Franklin W. Olin Graduate School of Business at Babson College and his BA from Salve Regina University.

Steven G. Schlosser, Senior Scientist

Steven Schlosser has served as a Senior Scientist for NovoDynamics since the Company was founded. In 1997, he co-founded Nonlinear Dynamics, one of the current organization's predecessors. During his career at NovoDynamics, he has assisted with the development and commercialization of the Company's optical character recognition and document capture products, as well as contract R&D business developments. Most recently, he has managed the Company's research collaboration with the University of Michigan Center for Integrative Research in Critical Care (M-CIRCC), which is driving development of the NovoHealth Predictive Analytics Healthcare Platform. Prior to Nonlinear Dynamics, Dr. Schlosser served as Program Director, Research Manager and Department Head at the Environmental Research Institute of Michigan (ERIM) and Senior Scientist at Scipar, Inc.; at both organizations, he led and managed applied research and development of advanced information systems for government and military applications. He has co-authored numerous publications on medical and document imaging technology and materials development and, among other honors, received fellowships from the National Science Foundation and National Defense Education Act. Dr. Schlosser holds a PhD in Mathematics from the State University of New York at Buffalo and a BS in Physics from Rensselaer Polytechnic Institute.