



NUFORJ, LLC
FOUNDING MEMBER

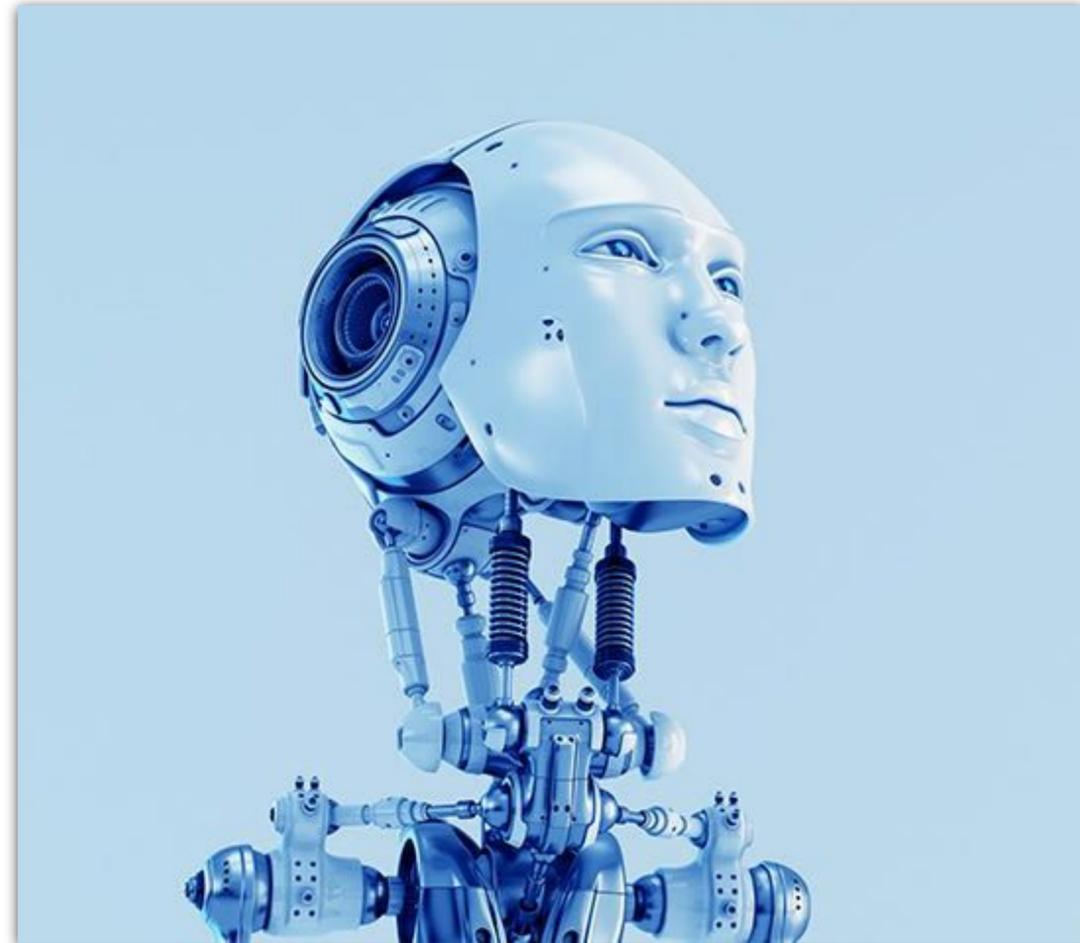


n u f o r j ' s e r u p t o r

w h e r e n e w i d e a s a r e f o r g e d



ERUPTOR LAB
@UMASS AMHERST



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A FEW WORDS ABOUT THE FUTURE

Industries as we know them are fundamentally transforming, with advanced technologies increasingly underpinning global competitiveness and economic prosperity. Many leading 21st-century manufacturers & service providers are converging digital and physical worlds in which sophisticated hardware (such as Robotics and Quantum Computers) combined with innovative software (such as AI & Machine Learning, IIoT sensors, and massive amounts of data and analytics), are expected to produce smarter products, more efficient processes, and more closely connected customers, suppliers, and manufacturers well into this decade and beyond. Their challenge is adoption & inculcation of these fast moving capabilities.

nuForj is harnessing this exponential change through our expertise & know-how creating vast opportunities for enterprises of all sizes and sectors: our clients.

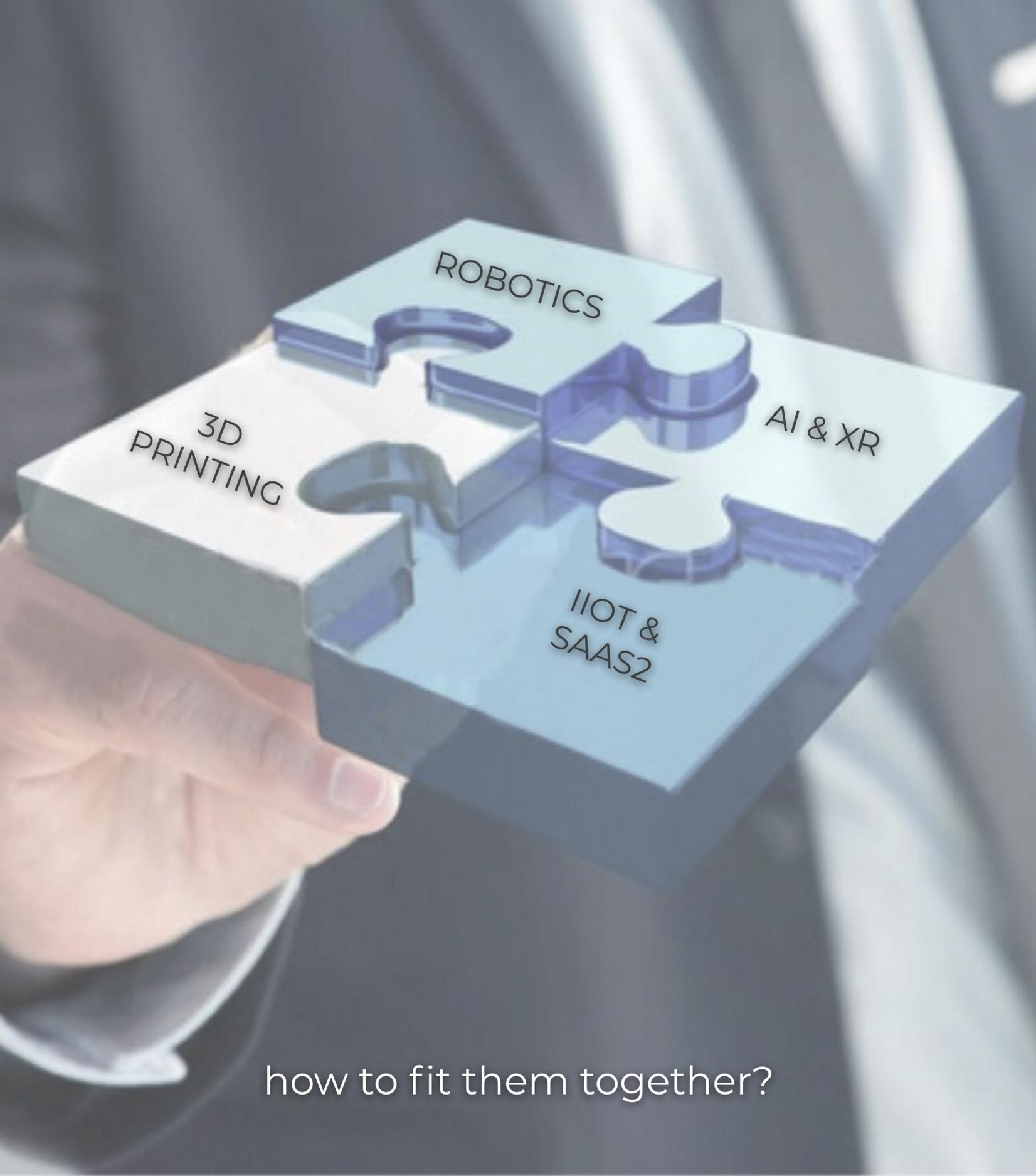
N U F O R J

A LITTLE BIT OF OUR STORY

nuForj is comprised of a team of nearly 30 Principals, masters in their individual practice. The company has a combined portfolio of expertise of nearly one millennium. Our knowledge and networks stretch well beyond making things. We know how to combine cutting-edge technologies into a solution set that helps companies grow by implementing new technology driven solutions yielding new revenue and clients.

We are convinced that Advanced Digital Manufacturing technologies embodying Industry 4.0 will make our clients more successful. Complex models never before feasible, yet once envisioned can be created. Rapid prototyping in software can now be converted into functional components/products in hours opposed to weeks or months. Product development cycles can be collapsed and affiliated costs greatly reduced. We welcome our clients to the future today!





how to fit them together?

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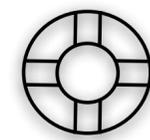
WHAT WE DO

MAKING INDUSTRY 4.0 WORK TODAY



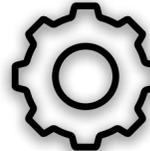
IDEATE

Imagineer on what is possible



INTEGRATE

Create a confluence of workable technologies



FABRICATE

Virtually prototype & then build the actual



COMMERCIALIZE

Open & help sustain opportunities in new markets



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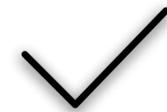
HOW WE DO IT

IDEATE | DESIGN | ENGINEER | FABRICATE | COMMERCIALIZE



INNOVATION

Creating controlled chaos,
the motherlode of
creativity



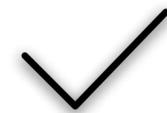
EXPERIENCE

Applying nearly one
millennium of expertise
to uncovering successful
outcomes



MAKING

Fabricating higher-value
driven by advanced design
technologies



CONNECTING

Commercializing through a
network of industry
relationships



PROJECT SUMMARY #1

MIXED REALITY

Worked with VFX icon in the film industry helping his company develop market channels for patented hyper-immersive, multi-sensory technologies for industry use



PROJECT SUMMARY #2

ADVANCING ENGINE PERFORMANCE

Retained by renowned automotive and aviation engine designer helping his company create market insertions for his patented air induction technology only realizable through Additive Manufacturing

PROJECT SUMMARY # 3

3DP & VISUALIZATION

Retained by the Kingdom of Bahrain oil refining company, BAPCO to analyze and rebuild the CAD models for its new \$4B refinery expansion. 3D printed to scale numerous encased refinery unit models for viewing by The King at the opening event

PROJECT SUMMARY # 4

LARGE FORMAT 3DP

nuForj experts worked with inventors of Large Format Additive Manufacturing machines and a global brand insertion company to rapidly create new forms of experiential merchandising tools for global brands such as Bloomingdale's



nuForj has created the next evolution in fabrication ecosystems, a product we call The Eruptor Lab™. A new model for an advanced digital manufacturing facility and innovation ecosystem located within an Opportunity Zone, drawing upon primary research & development capabilities through an adjacent world class University: The flagship campus of the University of Massachusetts, in Amherst, Massachusetts - our Partner and anchor in The Eruptor Lab™. The focus of the ecosystem is on deploying functional, innovative product/part/hardware ideas to fabrication rapidly, just-in-time and with a goal of high, sustainable margins for its resident manufacturing companies, large and small both internal and external to The Eruptor Lab™.





EXECUTIVE TEAM



Rudy N. Vogel

Founder, Managing Principal,
Chairman, Executive Committee
Serial Entrepreneur; Senior Adviser &
Designer/Executor of International
EconDev Programs for US State Dept



Spencer King

Principal, Executive Committee
Former CEO of IESC Founded
by Pres Johnson &
David Rockefeller



Tom Scotton

Principal, Executive Committee
Digital Manufacturing Expert
& Robotacist



Stan Rosenberg

Principal
Former MA State Senator for
30 Years
& Senate President



Bill Coblenz

Principal
Former Senior Mgr at DARPA
Helped create 3D Printing
Segment



Rick Jarman

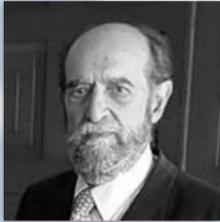
Principal
Former CEO, National Ctr
for Manufacturing Sciences
Founder: Pres Reagan



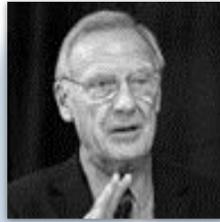
Jerry Jasinowski

Principal
Former CEO, National
Association of Manufacturers,
Founder, Mfrg Institute
Director in Carter Administration

NUFORJ: PRINCIPALS | ADVISERS



Marti Figueres: Latin American Industrialist; Scion of prestigious family; Father liberated Costa Rica & served as President



Jerry Jasinowski: Former CEO of NAM; Founded Manufacturing Institute; Member, Carter Administration



Moshe Barkat: Noted Hollywood Post-production & technology Executive; Apple, Amazon, Jim Cameron (Avatar), WB, etc.



John Armstrong: Former Senior VP, Global R&D IBM; Founding Member, Board of Trustees, UMASS Amherst



Bill Coblenz: Former Senior Executive, DARPA; Seeded Additive Manufacturing sector during that time



Bill Macy: Former Director, Technology Transfer @AmericaMakes; Foremost global expert in Additive Manufacturing



Alex Shtaygrud: SW Expert & virtual world builder; Lead Designer/Dev Microsoft Internet Explorer for Bill Gates



Rick Jarman: Former CEO, NCMS; Director, Federal Systems, Eastman Kodak; Seconded by President Reagan, US/USSR Tech XFR Prg



Stan Rosenberg: Retired Honorable Massachusetts Senator for nearly 40 years; served 3 years as Senate President



David Wohleen: Former GM Executive & Vice Chairman of Delphi/DELCO; Member Board of Trustees Lawrence Technical U.



Don Atchison: Founder Ecosse Motoworks; creator most exotic motorcycles; worked w/ teams from F1, NASCAR, Ferrari, Koenigsegg & other similar iconic brands

NUFORJ: PRINCIPALS & PARTNERS



James Rocha: Former Northeast Regional Mgr, Robert E. Morris, Inc, unit of The Morris Group, Inc. USA's oldest machine tool dist.



Barry Roberts: Highly regarded New England-based Real Estate developer, investor & construction professional



Abe Jasinowski: Highly respected architect, technologist & mgmt consultant in NYC for Gensler, FXCollaborative, Switzer Grp, etc.



Tom Goddu: Award-winning industrial designer, graphic artist, roboticist, inventor & CAD specialist



Steven Elliott: Former CIO, MIRA, \$500M Mexican PE; Senior Officer, KSL Corp, a KKR portfolio co.; Held number of CEO roles



Tom Poberezny: Chairman Emeritus EAA & AirVenture Oshkosh; Board Member Garmin, Cirrus, etc. & Aviator



James Page: Former CTO Autodesk *Spark* 3D Printing initiative reporting to Carl Bass; Cofounder Topolabs purchased by Autodesk



Ron Angelo: Former Deputy Commissioner Department of Economic Development State of Connecticut for 12 years



Dr. Dawn White: Board Member, National Ctr. Mfrg. Sciences (NCMS); R&D Leader, Ford Research Lab; Leading Materials Scientist



Lloyd Spencer: 30+ yrs in computing, robotics & ICT. SVP Microsoft Windows NT; Co-led launch MS Hololens & Robotics Studio



Dr. Toni Marechaux: Former Director Ntnl Academy Sci & Eng; Prog Mgr @USDOE & NASA HQ. Senior Scientist @Strategic Analysis, Inc.

PARTNERS



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