PEOPLE, PLACE, PROCESS

FASHION INCUBATOR/ACCELERATOR MANUFACTURING FACILITY
R&D TECHNOLOGY LAB

for the future of fashion, textiles & wearable tech

DESIGN, DEVELOPMENT, DISTRIBUTION
Bob Bland  
CEO  
Ralph Lauren  
Marc by Marc Jacobs  
Brooklyn Royalty  

Amanda Parkes, PhD  
CTO + Director of R&D  
MIT Media Lab  
Columbia University  
Skirteractive Studio  
Bodega Algae  

Rob Sanchez  
CSO  
Fordham Law  
New York Angels  
Yale University  

Patrick Duffy  
VP of Sustainability +  
External Affairs  
A Clean Future  
UC Berkeley Urban Planning  
NYSERDA  

Steven Capozzola  
Media Director  
Alliance for America Manufacturing  
U.S. Business & Industry Council  

Julianne Gauron  
R&D Studio Director  
New Balance  
Burberry  
NASA -RISD  

Margaret May  
Lead Patternmaker  
Peter Som  
Bow & Drape  
Haute Hippie
THE MARKET

Value of apparel: $2T
Value of apparel made in USA: $13B
Apparel e-commerce: $73B in 2017
Value of textile innovation: $1.7T
Value of wearables: $2B with 26% annual growth
U.S. Apparel Market Retail Sales: $225B

21st Century Problems of a 20th Century Industry

Infrastructure + Outsourcing
Design + Tech Education
Fast Fashion + The ‘Race to the Bottom’
Consolidation of Brands
OUR MISSION IS TO REAWAKEN AND REBUILD AMERICA’S FASHION INDUSTRY, FOSTER THE NEXT WAVE OF BUSINESSES, AND CREATE A TRANSPARENT, SUSTAINABLE GLOBAL SUPPLY CHAIN
AN INTEGRATED ECOSYSTEM

- Fashion Incubator
- Product Development & Test Factory
- Scalable Manufacturing
- R&D Technology Laboratories
- E-commerce BtoB sales

→ Supply Chain Transparency + Sustainability Metrics →
INNOVATION THROUGH PROXIMITY
MANUFACTURING INNOVATION CENTER

• 320,000 sq ft high quality industrial space in Sunset Park, Brooklyn
• 40,000 sq ft MNY Headquarters
  • Space for 30+ fashion designers
  • Technology R&D center with 20 fashion tech start-ups
  • Small run manufacturing
  • Fashion Media Center
• 280,000 sq ft manufacturing space for 25-30 manufacturers in apparel, home goods, textiles, accessories
WHAT IS THE FUTURE OF THE FACTORY?

HOW DO WE CREATE A FACTORY THAT FEELS LIKE A DESIGN STUDIO, BREAKS DOWN BARRIERS ACROSS CREATIVITY FROM DESIGN THROUGH PRODUCTION
$3.5M Industrial Modernization Grant
The New York City Economic Development Corporation, in partnership with Deputy Mayor Alicia Glen, granted capital funds to subdivide 160,000 sq ft of manufacturing space.

$50K Obama Grant for Growth Accelerator Fund
The Small Business Administration, in partnership with the Department of Commerce, awarded us the Accelerator Growth Fund grant to expand our design incubator program.
PUBLIC-PRIVATE PARTNERSHIP

$50K Customized Workforce Training Funds Grant
New York City Small Business Services awarded us funds to create a training program to upgrade skills on new equipment and software for current employees & new hires.

$150M Revolutionary Textile & Fibers Manufacturing Institute
AFFOA is strategically positioned as a National Fabric Innovation Network poised to deliver revolutionary advances across the entire fabric supply chain, from multifunctional fibers to advanced nonwovens and yarn production to sophisticated weaving and knitting capabilities and end-product fabrication for first-to-market manufacturing opportunities.
President Obama Launches Competition for Textile Investment

WASHINGTON -- President Obama upped the ante in his push for investing in Made in USA on Wednesday, launching a competition for a $150 million public-private investment in a new textile manufacturing innovation institute.

How A National Network Can Spur Manufacturing Innovation

A formerly abandoned warehouse in Youngstown, Ohio is home to the latest 3D printing technology; at North Carolina State University next generation power electronics are being developed; in Chicago a consortium of companies, non-profits and research institutions is working on digital manufacturing and design innovation; in Detroit new processes to make lightweight metals are being developed.
2013-2015 IMPACT

Garment Center Pilot Program

30 Design Incubator Graduates

We have had 2 classes, with 15 designers or brands each, work out of our co-working space & use the mentorship received to complete one full fashion cycle. 100% of our graduates are minorities or women.

2,500 Community Members

We have built an extremely supportive, vibrant & diverse community of fashion lovers and Made In USA advocates locally, nationally & internationally.

40 Made In NYC New Brands

We have provided product development services for 40 emerging brands that either reshored their current lines or created new product in NYC.

*by July 2014

Manufacturing Innovation Center

280 New or Retained Manufacturing Jobs

We will be providing over 30 new jobs in the design incubator & tech annex alone, and retaining hundreds of local manufacturing jobs to support the local community.

1000 Workforce Development Trainees

The City of New York is partnering with us to develop a world class workforce training center for unemployed or disadvantaged local residents.

150% more designers, technologists & manufacturers served

With the expansion of our accelerator program, we will be able to at least triple our capacity to meet demand. We have had a waiting list for over a year.

*by end of 2015
SUSTAINABILITY METRICS
Technology does not have to be at odds with sustainability

sourcemap
where things come from
COMBINING TRADITIONAL MANUFACTURING WITH INNOVATIVE INDUSTRIAL MACHINES & PROCESSES
FASHION TECH R&D FACILITY

RESEARCH & PRODUCT DEVELOPMENT ON ENABLING TECHNOLOGIES, PROCESSES AND MATERIALS FOR THE FUTURE OF FASHION & TEXTILES

INFUSE TRADITIONAL MANUFACTURING WITH NEW SCIENTIFIC AND TECHNOLOGICAL IDEAS FOR NOVEL AND SUSTAINABLE FABRICATION PARADIGMS

CREATE PARTNERSHIPS & JOINT PROJECTS BETWEEN ACADEMIC LABS, START UPS, TECH CORPORATIONS & FASHION BRANDS
3 INTER-RELATED TECHNOLOGY LABS

ADVANCED DIGITAL FABRICATION

SOFT CIRCUITS + WEARABLE ELECTRONICS

BIOLOGY + CHEMISTRY
SOFT CIRCUITS + WEARABLE ELECTRONICS
BIOLOGY, CHEMISTRY & BIOFABRICATION
BIOLOGY IS THE NEXT HARDWARE REVOLUTION
NOT ALL WEARABLE TECHNOLOGY INVOLVES ELECTRONICS
THEESIS
STYLE WITHOUT SACRIFICE
This Fashion Startup Wants to Eliminate Stains Forever

Jack Linshi @jacklinshi | June 12, 2015

Hydrophobic textiles could soon be in your closet

To most people, stain-resistant clothing sounds like a smart buy — but only if it’s carried by their favorite brands in the styles they want.

Fashion startup Dropel Fabrics wants to close the gap between everyday clothes and wearable technology. A self-described “ingredient brand,” the company is working with large fabric manufacturers to inject its proprietary technology into an array of materials. The result: high-tech, stain-repellent fabrics that can be made into anything from your next pair of jeans to a designer dress, on demand and ready to be sold to consumers in minutes.
Vertically integrated factories such as Manufacture New York, where the designers work closely with producers, have the potential to elevate and re-skill the manufacturing jobs they create by bridging the divide between designers, consumers and people who make things.

This is New York fashion’s most radical promise...

There are many hurdles to overcome, but hopes are high that New York fashion could become the harbinger of a twenty-first-century urban Industrial Revolution, heralding a new, more equitable era for the city.

- The Nation, January 2014
Fashion, Business & Government Supporters

Office of the Brooklyn Borough President
Office of Senator Kirsten Gillibrand
Representative Nydia Velasquez
City Councilmember Brad Lander
City Councilmember Carlos Menchaca
Brooklyn Chamber of Commerce
Made In NYC (Pratt Center for Community Development)
Southwest Brooklyn Industrial Development Corporation
American Sustainable Business Council
The Design Trust for Public Space
Save The Garment Center
The Garment District Alliance (formerly the Fashion Center BID)
Fashion Institute of Technology
Fashion Group International
Yeehlee Teng
Nanette Lepore
Ralph Rucci
Norma Kamali
Eileen Fisher
Centre for Social Innovation
Social Enterprise Alliance
Open Source Fashion Network
Decoded Fashion
Impact Hub NYC
Made In America Movement
Red Hook Initiative
Restore Red Hook
TrimLab
RePopRoom
LIM College
FashInvest
Technology & Academic Partners & Supporters

MIT Media Lab
Columbia University-
Dept of Architecture
& Computer Science
Princeton University-
Dept of Material Science
Harvard University GSD
Stanford University Product Design
NYU ITP
Parsons Fashion Technology
Fashion Institute of Technology
Copenhagen Institute
of Interaction Design
Intel
Makerbot
Shapeways

3D Systems
Statasys
Autodesk
iMaterialise
Francis Bitonti Studio
3D Hubs
Other Labs
Sewbo
Bodylabs
3D Hubs
Other Labs
Sewbo
Bodylabs
Wearable Experiments
Body-by-Print
Fabrican
NewAer

Biocouture
Modern Meadow
Genspace
Synbiota
Epibone
MC-10
Bare Conductive Ink
Terreform One
New Lab
Nooka Mind style
Thesis Couture
Rock Paper Robot
Sourcemap
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BOB BLAND, CEO + FOUNDER | MANUFACTURE NY