**3rd Step Enterprises**  
*Griffith University*

3rd Step Enterprises seeks to address the issues of water and energy scarcity in industries and communities through the application of a patented, low-heat desalination system driven by a costless energy source to produce high-grade potable water. Utilizing a disruptive technology powered by an abundant source of energy, our company has the potential to both decrease the total cost of water and provide an additional revenue stream for our clients.

*Andrew Hosaka-Zaniewski, Matthew Kelly, Joshua Salkeld, Prasanna Shanmuganathan*  
*Faculty Advisor: Evan Douglas*

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**Aerox**  
*Thammasat Business School*

Aerox manufactures A-Shield Silica Aerogel, a NASA-grade insulation additive, but at only 10% the cost. Our revolutionary price point opens up a wide array of opportunities in building materials such as paint, gypsum and insulation board. A-Shield has great insulation properties, environmentally-friendly, non-toxic, non-flammable, water-proof and applicable to various applications. Now is a great time for building material manufacturers to offer higher quality products without extra costs. Let's deliver space-age energy efficiency and stellar return together.

*Sirinapa Premkamonmart, Krit ZBaisirkun, Sirikarn Asawasudsakorn, Neeranart Boonnitikorn, Jutamast Sritewankun*  
*Faculty Advisor: Paul Tan*

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**AirFit**  
*University of Oregon*

AirFit is reinventing the dreaded airport dwell time and layover experience by placing gym facilities in terminals, behind security, leveraging the desire of 77% of survey respondents who indicated a willingness to pay for our services. Our tech-integrated equipment and facilities appeal to Millennials and young Gen X-ers, allowing them to stay connected to their busy lives while caring for their bodies so that they can board their next flight feeling happy, healthy and productive.

*Ty Manegold, Cynthia Sandall*  
*Faculty Advisor: Allen Cochrane*

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**Afthon**  
*University of Texas at Arlington*

At Afthon, we aim to create a world of energy abundance by changing the way we produce energy. We solve the problem of power transmission by providing our biogas burning shockwave generators which are 25% more efficient compared to gas turbines to microgrid operators to reduce their capital expenditure payback time to less than a year.

*James Peace, Raheem Bello, Akin Adekeye,*  
*Faculty Advisor: Frank Lu*
Akabotics  
University of Hawaii at Manoa  
Akabotics designs robots for environmental remediation. Its Microdredger™ system promises to disrupt the waterway maintenance dredging industry by addressing the need for a more environmentally friendly and cost effective solution. Its small size and autonomous operation allow for the maintenance dredging market to be expanded to include waterways that were previously not cost effective to dredge due to their size or location. This is like the Roomba® for waterways.  
*Monica Umeda, Newton Parks,*  
*Faculty Advisor: David Garmire*

Allview Infomatics  
University of Manitoba  
Allview Infomatics is a retail intelligence software company based out of Winnipeg, Canada intent on bringing its video analytic sVISIT software technology to the North American market. This downloadable software is a search engine for video, providing insights into customer behavior that can be acted upon to improve the customer experience and increase the corporate bottom line.  
*Sam Fay, Mike DeLuca, Kathleen Bluesky*  
*Faculty Advisor: Stuart Henrickson*

BuddyUP  
Swinburne University of Technology  
BuddyUP is a startup venture with an edge - an edge that will allow it to develop into a profitable and socially responsible business. BuddyUP’s core offering is the BuddyUP Private Mentoring Program which connects privileged children between the ages of 5 – 17 from single parent households with exceptional Mentors who see them twice a week over a six month program. BuddyUP is looking to develop a mutually beneficial relationship with angel investors in 2015.  
*Madeleine Tewes, Sharyn Meade*  
*Faculty Advisor: Seth Jones*

CarPal  
University of Cincinnati  
CarPal is an innovative peer-to-peer package delivery service that provides an affordable door-to-door package delivery by utilizing the sharing economy to take advantage of vehicles already in route to a customer’s intended destination. CarPal eliminates overhead by acting as an online platform to directly connect senders and potential delivery users. CarPal’s delivery service is built for the digital economy, with constant GPS tracking, a dynamic real-time auction to determine the lowest price and peer-to-peer ratings to ensure trust and enhance reliability.  
*Tumal Karunaratne, Zachary Hawke, Cortney Hicks*  
*Faculty Advisor: Charles Matthews*
Colter Durham
University of Texas at Austin
The StowCart is a multi-purpose hauling device that can be stowed against a wall when not in use. Ground-level loading, wide wheel stance, 20” x 40” loading base and 10-to-1 lift assist mechanics offer many advantages to users currently not available in a competing product. Some uses (from customers) include hauling a cooler, firewood, camping gear, sports equipment, gardening, landscaping, hauling water, hauling fuel... and more.
Ryon Brown, Britt Talbert, Matt Dorsey
Faculty Advisor: Rob Adams

Cricket Flours
University of Oregon
Cricket Flours is a food ingredient company with a new high performance protein powder made from crickets. Located in Eugene, Oregon, Cricket Flours is in the market selling on major ecommerce platforms and our website at www.CricketFlours.com with over 45,000 page views. Cricket Flours has entered the sports nutrition market to provide a sustainable and environmentally friendly source of protein that is naturally gluten-free, dairy-free and soy-free to fuel workouts and nutrition.
Charles Wilson, Omar Ellis, Paul Butler,
Faculty Advisor: Nathan Lilligard

DexMat, Inc.
Rice University
DexMat manufactures high-performance carbon nanotube (CNT) fibers using our proprietary solution processing technology. We aim to supplant heavy, rigid metals in cables used in the aerospace, wearable electronics and medical device markets. Metal cables weigh down aircraft and are prone to fatigue failure in electronics. Lightweight, flexible cables made with DexMat materials are up to 70 % lighter, 10 times stronger and have 25 times higher flexure tolerance than metal cables.
Dmitri Tsentalovich, Francesca Mirri
Faculty Advisor: Matteo Pasquali

Ecogent
Thammasat University
Recently, the pressed board industry has been crippled by a shift in global regulation forcing manufacturers to adopt lower formaldehyde-content adhesives. Unfortunately, this has led to a significant increase in cost for pressed board producers. Ecogent is a cutting-edge formaldehyde-free adhesive system that satisfies both regulatory and manufacturing requirements. Operationally tested by Vanachai Group, one of Asia's largest WBP manufacturers, Ecogent has shown to help wood panel producers save up to 15 percent of their production cost.
Tanaphum Srinawakoone, Jittranuch Chinsuwan, Ploy Pattichart, Thiti Korcharoenpanich, Varanporn Chantrathada
Faculty Advisor: Eric Tachibana

Eden Fresh Fruit Solution Co., Ltd
Sasin Graduate Institute of Business Administration of Chulalongkorn University
Eden presents Naturen, a 100% natural coating solution to be used on ready-to-eat fresh cut fruits. Naturen extends the shelf life of freshly cut fruit by two to three times more than current industrial solutions, such as ascorbic acid or acetic acid, without changing the taste, smell and appearance of fresh cut fruit (FDA approval pending). Eden aims to maximize value to the fresh produce industry, while assuring the values and fairness to all our stakeholders.

Anand Singh Chawla, Bhumpharn Arunthammakul, Norapat Phaonimmongkol, Chawan Hongyont, Sharif Inthaphunt
Faculty Advisor: Nick Pisalyaput

Elegus Technologies
University of Michigan
Elegus Technologies is commercializing a lithium-ion battery separator that allows battery manufacturers to increase their energy density without compromising safety.

John Hennessy, Dan Vanderley, Long Qian
Faculty Advisor: Sarika Gupta

Engagely
University of Louisville
Engagely uses behavioral biometrics to provide the next generation of website security, user insights and a new revenue source to web publishers. Our Survette software replaces existing CAPTCHAs and asks web users a question instead of requiring them to type in squiggly, fuzzy letters. Their answers generate consumer research data that Engagely sells to data firms, brand managers and market researchers interested in gauging consumer preference, brand awareness, customer loyalty and other insights.

Christopher Shelton, Gil Roberts, Ben Gries
Faculty Advisor: Van Clouse

Enlightened Diagnostics
University of Notre Dame
Enlightened Diagnostics is a revolutionary cancer diagnostic company. We are developing products that enable targeted, personal diagnoses from a three-dimensional platform. Currently, oncologists make diagnostic decisions based on two-dimensional cell histology. EnDx technology allows clinicians to make a more complete diagnosis based on a new three-dimensional tumor-viewing diagnostic system.

Christopher Cali, Megan Usovsky, Scott Manwaring, Victoria Zellmer, Colin O’Toole
Faculty Advisor: Gaylene Anderson

Flipped Health
University of Texas at Austin
Flipped Health™ is developing AriVax™, a drug delivery platform that improves vaccine stability, reduces vaccine wastage and enables delivery to emerging markets that can’t meet temperature-controlled
supply chain (cold chain) requirements. Each year more than $200 million is spent to maintain the cold chain. Our patented thin film freeze drying (TFFD) process creates a vaccine powder with demonstrated long-term stability over a wide range of temperatures. This eliminates the need for refrigerated transportation and storage.

*Cheryl Tulkoff, Elizabeth Shumpert, Brandon Shakley, Isreal Ortiz, Daniel Cloud*
*Faculty Advisor: Gary Cadenhead*

**From:Earth**
*University of Pennsylvania*

From:Earth is a responsible natural oral care company offering consumers a suite of simple, effective, elegantly designed products that are gentle, chemical-free and built with both consumers and the environment in mind. Our products will be delivered via online distribution with a subscription service that delivers to your doorstep a suite of natural oral care products at dentist prescribed three-month intervals for $5 per month.

*Behrad Javed, Priyanka Aggarwal*
*Faculty Advisor: Raghuram Iyengar*

**Goodnity**
*Wissenschaftliche Hochschule fur Untemehmensfuhrung (WHU)*

Goodnity is disrupting the market research industry by motivating survey participants with emotional attachment. With the Goodnity mobile application, everyone is able to take over a child sponsorship for free. Users engage in surveys that are monetized through Goodnity’s corporate partners. Goodnity interacts as a market research provider for B2C-companies of every industry. At the same time, Goodnity, as a for-profit-company, accelerates fundraising for international charities.

*Marc Beermann, Keith Harry, Maximilan Eckel, Bijan Soltani,*
*Faculty Advisor: Stefan Mader, Marcus Erken*

**Homegrown Brewing Company**
*University of Louisville*

Homegrown Brewing Company (HBC) is a novel concept for a microbrewery that will create its beer by hosting contests for home brewers to enter their best beers and allowing craft beer drinkers to choose their favorites. This innovative concept disrupts the typical microbrewery model and uniquely appeals to the growing craft beer community. With two passionate home brewers and Entrepreneurship MBAs leading the way, HBC is poised to stand out in the $20 billion craft beer market.

*Matt Teives, Kelley Crush,*
*Faculty Advisor: Van Clouse*

**Hyperlink**
*The Chinese University of Hong Kong*

Hyperlink provides a powerful search engine experience to customize scattered personal data across different online platforms (social media, cloud storage, browser history) in an integrative manner. Through user authorization on data retrieval, Hyperlink refreshes and reconnects your social network through search results on your past multiple online trails. Thanks to our data query analytic technology, Hyperlink offers insight on personal behavioral and consumption patterns to highlight personal and commercial value.
**Inhibio**  
Norwegian University of Science and Technology  
Inhibio is a compound that can prevent bio fouling in a non-toxic manner. It can be used as an additive in exiting marine coatings, which then adapts the bio fouling preventing properties of Inhibio. Biofilm is a major concern for any ship owner and the US Navy has estimated an annual cost of $1M per destroyer due to fouling of the hull. Inhibio has the potential to drastically cut costs connected to bio fouling.

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**Innumbra Technologies**  
EMLYON Business School  
Innumbra Technologies commercializes intelligent and bioclimatic solutions that autonomously optimize the diffusion of sunlight in buildings while reducing unwanted radiation, solar heat gain and heating/cooling energy consumption. With its patent pending technology, Innumbra Tech solutions create optimum lightening and shading of buildings and spaces without the need for artificial energy. Innovative, versatile and eco-friendly, Innumbra Tech’s innovative solutions enhance thermal comfort while being customizable and ultra-energy efficient.

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**Inscope Medical Solutions**  
University of Louisville  
Inscope Medical Solutions has developed an innovative medical technology that optimizes airway intubation, improving this high-risk procedure’s efficiency, speed and safety --- saving lives and lowering costs to healthcare providers. Invented by company founders, the OneScope is a patent-pending WIFI-enabled multi-purpose, disposable laryngoscope that integrates several devices into one. Leveraging 35 years’ combined experience in the healthcare industry, Inscope Medical’s management team will bring this disruptive device to the $1.1B laryngoscope market.

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**Learn.Dev**  
University of Pennsylvania  
Learn.Dev plans to fundamentally change the Corporate Education space by creating a unified platform where the best existing eLearning content is curated across MOOC platforms and delivered for corporate training needs. Easy-to-follow Learning Pathways walk the student through a variety of video based lessons conducted from our central platform and are combined with comprehensive inter-platform real-time analytics and an enhanced case-based assessment tool that replaces memorization focused quizzes with a truly engaging learning experience.

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New Hope Ecotech
Northwestern University
Most of the recycling rates in developing countries are due to millions of waste pickers who work informally. More specifically, Brazil has implemented an unprecedented regulatory policy that places the burden of recycling on manufacturers. New Hope Ecotech aims to connect waste pickers’ services with manufacturers’ regulatory needs via tradable environmental securities. These securities (similar to Carbon Credits, but for recyclables) solve manufacturers’ recycling obligations, increase overall recycling rates and generate additional income for waste pickers.

Thiago Pinto, Luciana Oliveira
Faculty Advisor: Linda Darragh

Opticent Health
Northwestern University
Opticent Health provides a non-invasive medical imaging instrument for ophthalmologists to readily assess retinal health. Our device revolutionizes current ophthalmic imaging technology by delivering completely new information that enables doctors to better stage disease progression, assess treatment efficacy and make more timely diagnoses and treatment interventions.

Kieren Patel, Rushi Talati, Jack Carroll
Faculty Advisor: Hao Zhang

Productivity Ventures
University of Texas at El Paso
Productivity Ventures is a company that designs, produces and sells special devices that will enable regenerating experiences to increase worker productivity.

Leonardo Orea, Mauricio Mercado, Jessica Talavera
Faculty Advisor: Aaron Cervantes

Red Natural
University of Kentucky
Red Natural is positioned to become a leading supplier of natural red food coloring replacing Red 40, a synthetic chemical widely used by the food and drink industry. A new breed of sweet sorghum that produces red pigments in the leaves of the plant was discovered at the University of Kentucky. This new, all natural, vegan, non-GMO source is a direct substitute for Red 40 and much more economical to produce than other natural dye sources.

Joanna Foresman, Andrew Wachs
Faculty Advisor: Dean Harvey and Mariam Gorjian

RelishMBA
University of Virginia
RelishMBA connects business school students and corporate recruiters through an online platform customized for the MBA hiring process featuring MBA-specific filtered search, company recruiting branding pages, candidate relationship management tools and data analytics.

Sarah Rumbaugh, Zach Mayo
Faculty Advisor: Saras Sarasvnathy

Rural Health Kiosk
Johns Hopkins University
The Rural Health Kiosk is dedicated to providing underserved patients in rural India access to affordable, ethical, evidence-based healthcare in a financially sustainable way. Our model brings together local women trained in healthcare, an adaptive medical diagnosis algorithm, low-cost medical technology and a network of remotely-linked doctors to give patients access to high-quality care in remote villages for less than $1 a visit.

Trent Langston, Qian Liu, Brian Ma, David Blumenstyk, Koirat Mairin
Faculty Advisor: Soumyadipta Acharya

Smartians
Universidade Federal de Juiz de Fora
The world is concerned about electrical energy efficiency. In Brazil, for example, about 14% of the generated energy is lost on distribution. It is known that energy resources are demanded more and more, so a solution to increase the electrical efficiency is very necessary. The i9Hybrid supplies these requirements through a trustable communication solution that optimizes the energy usage, identifying losses, technical failures and enabling smart metering for energy.

Diogo Fernandes, Layla dos Santos Mendes
Faculty Advisors: Moisés Vidal Ribeiro, Fabricio Pablo Virgínio de Campos, Rene Jose Rodrigues Fernandes

Sotrek
Brigham Young University
Sotrek is an industry first, end-to-end solution that allows recreational rental shops to manage their operations more efficiently and grow their business.

Joshua Mortensen, Andrew Watanabe
Faculty Advisor: Jeff Dotson

SparX Technology
Northwestern University
SparX Technology (SparX) is an ignition device company dedicated to commercializing a novel composites technology that will revolutionize the safety and economic profiles of current generation ignition technology in numerous industries. SparX will obsolete current generation ignition systems applicable in the automotive airbag, mining, fireworks, aerospace and Department of Defense industries. Additionally, SparX will become the first non-ATF/DOT regulated ignition technology in numerous applications by eliminating the need for an embedded primary explosive component.

Ty Findley, Eric Haddenhorst, Kyle Coots
SteriDev
Michigan State University
SteriDev operates in the medical device industry. The company’s mission is to develop medical devices that meet the functional demands of surgeons and the safety needs of patients. The company’s first product is CleanCase, a single-use sterile case and method of transfer that safely places mobile devices in the sterile field. CleanCase is differentiated from current offerings on the market by providing technically advanced, device-specific, fully functional cases.
Robert Zondervan,
Faculty Advisor: Ryan Jankovic

VasoCorp
University of West Georgia
VasoCorp is commercializing a new patent-pending neuropathy supplement called NeuropAWAY™ that treats the causes of neuropathy instead of its symptoms. NeuropAWAY™ combines proven homeopathic nerve treatments with a unique vasodilator complex that boost its effectiveness. Twenty million Americans have neuropathy. This represents a potential market of ≥$3.0 billion in the U.S. VasoCorp projects sales ~ $85 million in 2019.
William Cross III, Julian Brown, RaeAnna Hogle
Faculty Advisor: Charles Hofer

Viapore
Georgia Institute of Technology
Five billion dollars is wasted annually on revision surgeries to correct failed spinal fusion surgeries. Poor integration of the implants used in these surgeries with the surrounding bone is a major cause of these failures. We’ve created a new implant that enhances integration with bone and surrounding tissue leading to better patient outcomes and cost avoidance for payers. Our platform technology can also be leveraged in many other surgical implant uses.
Nathan Evans, Brennan Torstrick, Matthew Kroge, Anne Hewitt, Brad Schweizer
Faculty Advisor: Margi Berbari