



INSPIRE
ILLUMINATE
IGNITE

Lux Research Legacy Services

Emerging Ecosystems in Agrifood and Health

Most companies view agriculture, food, and health as distinct value chains; however, the reality is that they are pieces of a single, interconnected system of technologies, markets, and demands. Consumer preferences are a core driving force in this ecosystem. In addition to seeking more unique consumption experiences, consumers are taking more active roles in maintaining their wellness, leaving innovators at the mercy of fleeting trends and struggling to foresee major shifts.

STRATEGIC OBJECTIVES

- Understand market shifts, competitive threats, and fickle consumer behavior impacting your products
- Defending and growing your market by identifying opportunities from current and emerging consumer trends

FEATURED TOPICS & TECHNOLOGIES

- Aging in Place
- Alternative Proteins
- Animal Health and Nutrition
- Biometric Sensors
- Digital Disease Management
- Food Ingredients and Formulations
- Microbiome
- Personalized Nutrition
- Precision Agriculture
- Seeds, Pesticides, Fertilizers
- Sleep Tracking
- Sports and Fitness
- Telemedicine
- Wearable Health Tracking

The Future of Mobility

READY, SET, GO...THE MOBILITY RACE IS ON

Technology innovations such as electrification, autonomy, sharing, and connectivity are fundamentally changing the way we move people and goods - creating massive opportunities in the process. All modes of transport are in the path of disruption, including bikes, scooters, cars, airplanes, and public transport.

We help you understand the high-level trends shaping the future of mobility, identifying what's real and what's hype. We follow these trends through to the individual technologies and partners, so you can make the right decisions to build that future.

FEATURED TOPICS & TECHNOLOGIES

- Autonomous and connected vehicles
- Energy for mobility
- Energy storage
- High-capacity transit
- Innovation Strategy
- Mobility-as-a-Service
- Other - mobility
- Part design and manufacturing software
- Sensors
- Structural materials
- Download Case Study
- Schedule Demo

Accelerating Materials Innovation

Materials innovation is now moving at the speed of software. Next-generation material platforms, sustainable feedstocks, and advanced design and manufacturing tools are raising disruptive potential and accelerating commercialization timelines of products fabricated from emerging material technologies. We help you understand how these advancements are re-shaping the competitive landscape, expanding the range of viable partners, and enabling new business models.

STRATEGIC OBJECTIVES

- Improve existing or create new products
- Unlock growth vectors enabled by new business models

FEATURED TOPICS & TECHNOLOGIES

- 3D Printing
- 3D Scanning
- Bio-based Chemicals
- Biopolymers
- Building Prefabrication
- Carbon Nanotubes
- Coatings
- Composites
- Design & Manufacturing
- Software
- Graphene
- Materials Informatics
- Metals
- Metamaterials
- Nanocellulose
- Polymers
- Smart Materials
- Spider Silk
- Synthetic Biology

Owning the Energy Transition

The energy transition is inevitable: driven by fundamentally superior technology, renewable energy will replace existing technology. Regulation, policy, and other drivers are setting the pace, but not the direction of the transition. We help you understand the timing of these changes and create the strategy to best position your organization for success.

STRATEGIC OBJECTIVES

- Capitalize on new business opportunities created by revolutionary changes in the energy landscape
- Understand how your existing products and operations are at risk and actions you can take

FEATURED TOPICS & TECHNOLOGIES

- Carbon Capture and Utilization
- Clean Oil and Gas
- Decentralized Power Generation
- Demand Side Management
- Electric Vehicles
- Energy Efficiency
- Energy Mix Optimization
- Energy Mobility Solutions
- Geothermal Energy
- Natural Gas Vehicles
- New Business Models
- Power Grids
- Smart Metering
- Wind and Solar Power Integration

Digital Transformation of Physical Industries

DON'T GET LEFT BEHIND

We help you drive top- and bottom-line growth by understanding the evolution of core technology elements, and how to successfully implement the technologies and business models.

Markets

Traditionally slow-to-evolve markets are changing at the pace of digital, including:

- Products themselves
- Usage of connectivity and data for product decision-making
- Digitally-enabled revenue streams

Operations

Additionally, data and digital tools are supercharging optimization of many functions, including:

- Internal Assets
- Employee productivity
- R&D processes
- Manufacturing processes
- Supply chain & logistics