

Louisiana's I-12 Alliance Target Industry Overview

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PRESENTED BY:

 **Angelou Economics**
technology-based economic development

Overview and guidelines of use

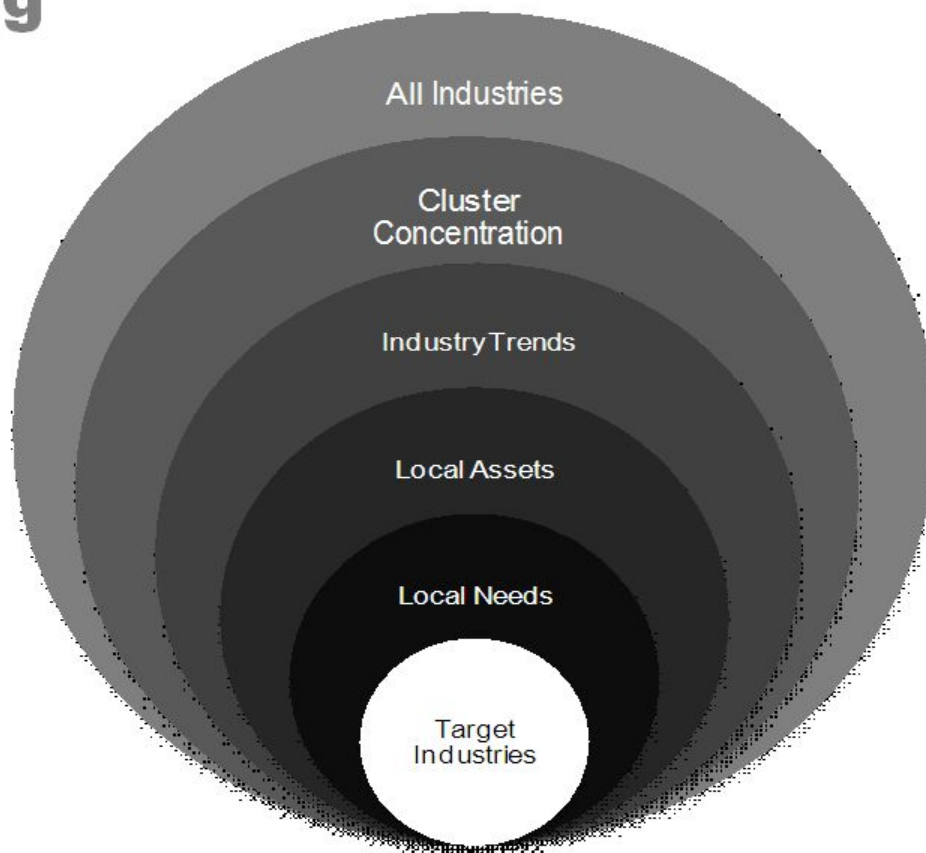
This presentation was developed strictly for the parishes represented by Louisiana's I-12 Alliance. Part of this project's commission was to evaluate not only the parishes of the I-12 Alliance, but also its Technology Corridor, an area noted by a tract of Interstate 10 that intersects the I-12 Alliance region.

All information provided here is designed to highlight the community's assets, specifically in regards to the industrial base and most prevalent linkages to the global marketplace.

Considerable research and examination went into the conclusions represented in this item. Any use of the information provided (beyond what has been described here) without explicit permission from Louisiana's I-12 Alliance *and* AngelouEconomics is strictly prohibited.

ANGELOUECONOMICS' I-12/I-10 CLUSTER SELECTION PROCESS

Targeting Process

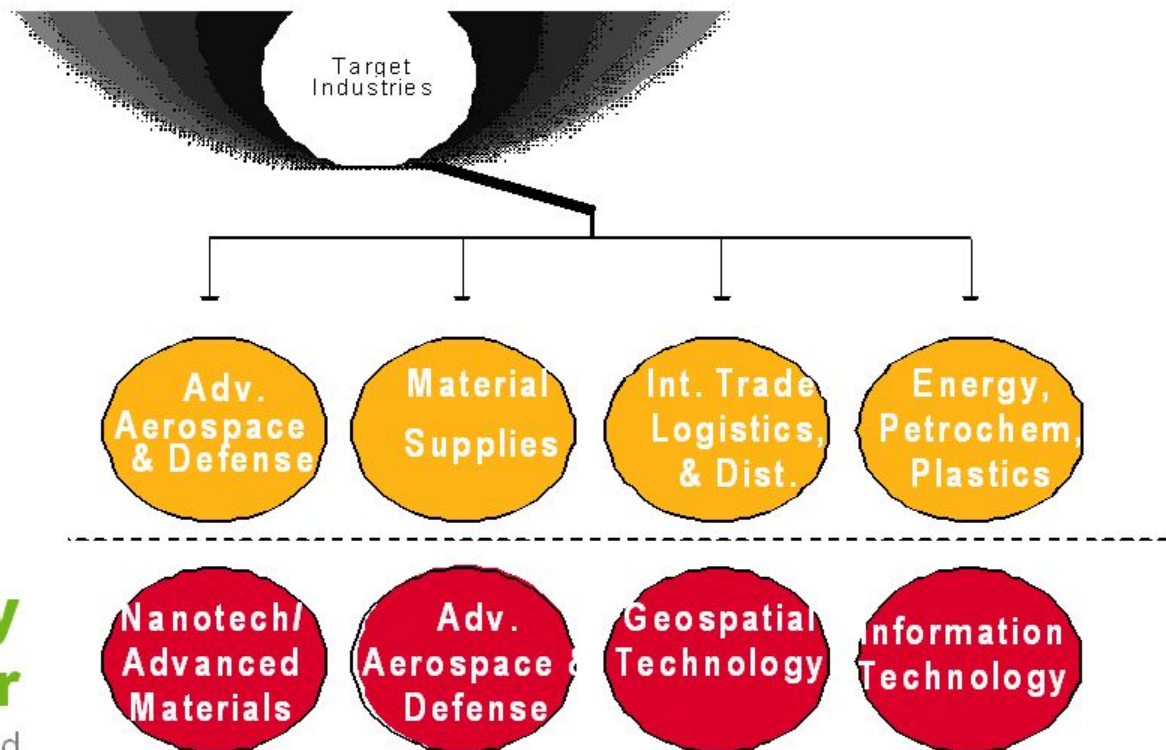


ANGELOUECONOMICS' I-12/I-10 CLUSTER SELECTION PROCESS

I-12 Alliance Parishes

Technology Corridor

(Interstate 10 as contained
within the I-12 Alliance region)



Why Advanced Aerospace & Defense Manufacturing?

- Inclusion of the Technology Corridor - Stennis and Michoud will be at the forefront of next manned space travel
- Access to inexpensive land - Plenty of available, affordable land, certified Megasite
- Taxes and Incentives - Relatively low property tax rates, excellent state incentive programs

Potential Niche Sectors

- Space Vehicle Propulsion Manufacturing – Inclusion of the Technology Corridor highlights Stennis as the center of NASA launch testing, while Michoud focuses on external fuel tanks for current shuttles and the future Orion program
- Aerospace Component Manufacturing – Opportunity to leverage the unique research and development assets throughout the region

Why Material Supplies?

- Robust residential and commercial construction industry, which creates high demand for building materials
- Affordable, competitive labor rates
- Access to large amounts of inexpensive land

Potential Niche Sectors

Engineered Wood Products - including hardwood veneer and plywood, trusses, reconstituted wood products such as particleboard, fabricated / laminated structural members, and other wood products used primarily in construction

Why International Trade, Logistics, and Distribution?

- Market Access - Access to Southeastern, Midwestern, and Southwestern population centers, with over 75 million people located within 600 miles
- Transportation Infrastructure - I-12 and I-55, numerous airports and ports
- Freeport - Full tax credits on inventory tax in Louisiana helps the region maintain its viability as a location for this industry

Potential Niche Sectors

- Logistics and Supply Chain - Logistics and supply chain companies plan, implement, and control supply chains for other companies from the purchase of raw materials through the delivery of finished products
- Retail Distribution - Retail distribution centers utilize advanced technology to manage the flow of materials in the retail supply chain

Why Energy, Petrochemicals, & Plastics Equipment and Services?

- Proximity to Energy Industry - Corridor is close to one of the largest petrochemical epicenters in U.S.
- Skilled Workforce - Technically savvy workforce in the energy services field with high concentrations of geologists and other scientific occupations
- Research Institutions - Strong network of colleges and research institutes that provide an attractive innovation infrastructure for energy companies

Potential Niche Sectors

- Oil & Gas Machinery and Equipment - Specialized drilling equipment, drill bits, and other tools and equipment needed for new drilling techniques
- Oilfield Services - Monitor information during the well drilling process, provide the correct drilling muds to ease the drilling process, and handle project management for drilling companies
- Energy Headquarters - Administrative portions that employ large numbers of top managers and decision makers (*Chevron is but one example*)

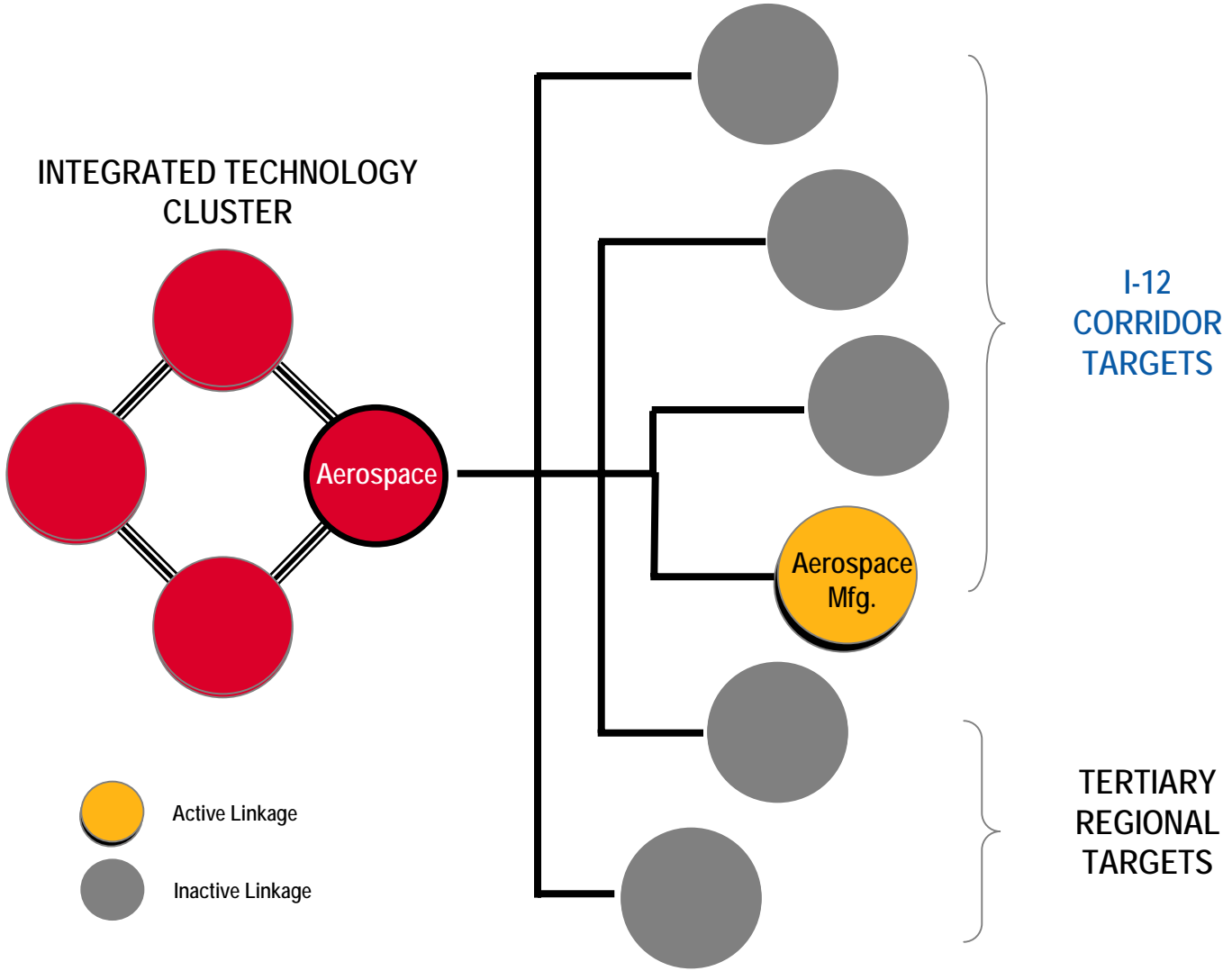
I-12 Alliance's Technology Corridor Asset Highlights

- Stennis Space Center
- Michoud Assembly Facility
- UNO Advanced Technology Research Park
- Technology Transfer Capacity
- Educated Workforce (e.g., engineers)
- Advanced Manufacturing Capacity
- Access to Supercomputing Capacity

Why Advanced Aerospace & Defense Manufacturing?

- Stennis and Michoud will be the center of NASA's Orion program
- UNO Advanced Technology Research Park will be able to focus on leveraging technologies from these two facilities
- Louisiana Technology Transfer Center will work to match Louisiana companies with technology opportunities at NASA

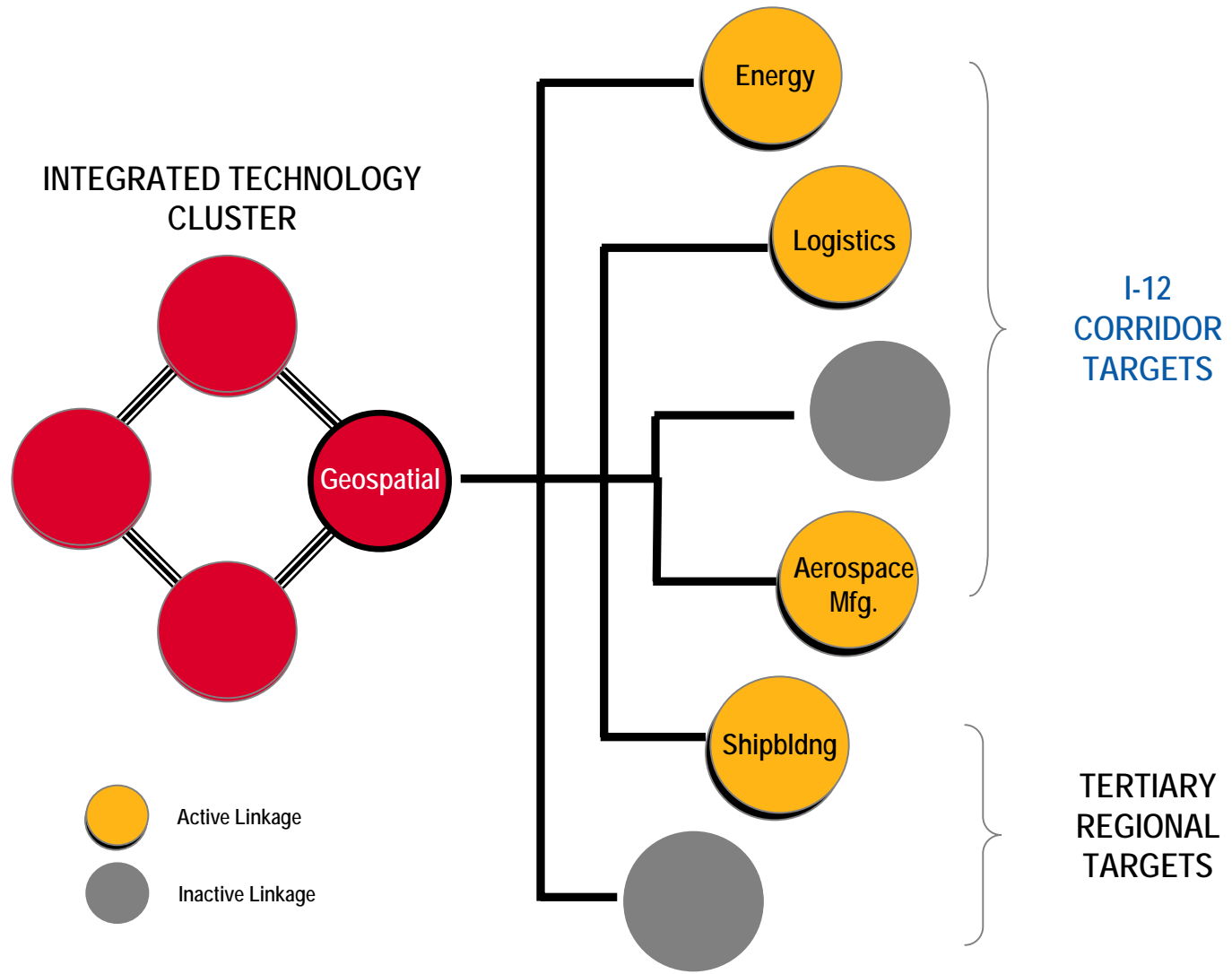
AEROSPACE RESEARCH & TECHNOLOGY REGIONAL INDUSTRY LINKAGES



Why Geospatial Technology?

- High-growth industry that applies technologies to the mapping of the earth's surface -- GIS, GPS, Remote Sensing
- Stennis is home to cluster of geospatial technology companies that provide base to build on (e.g., National Data Buoy Center)
- Applications for oil and gas, telecommunications, public works, among others

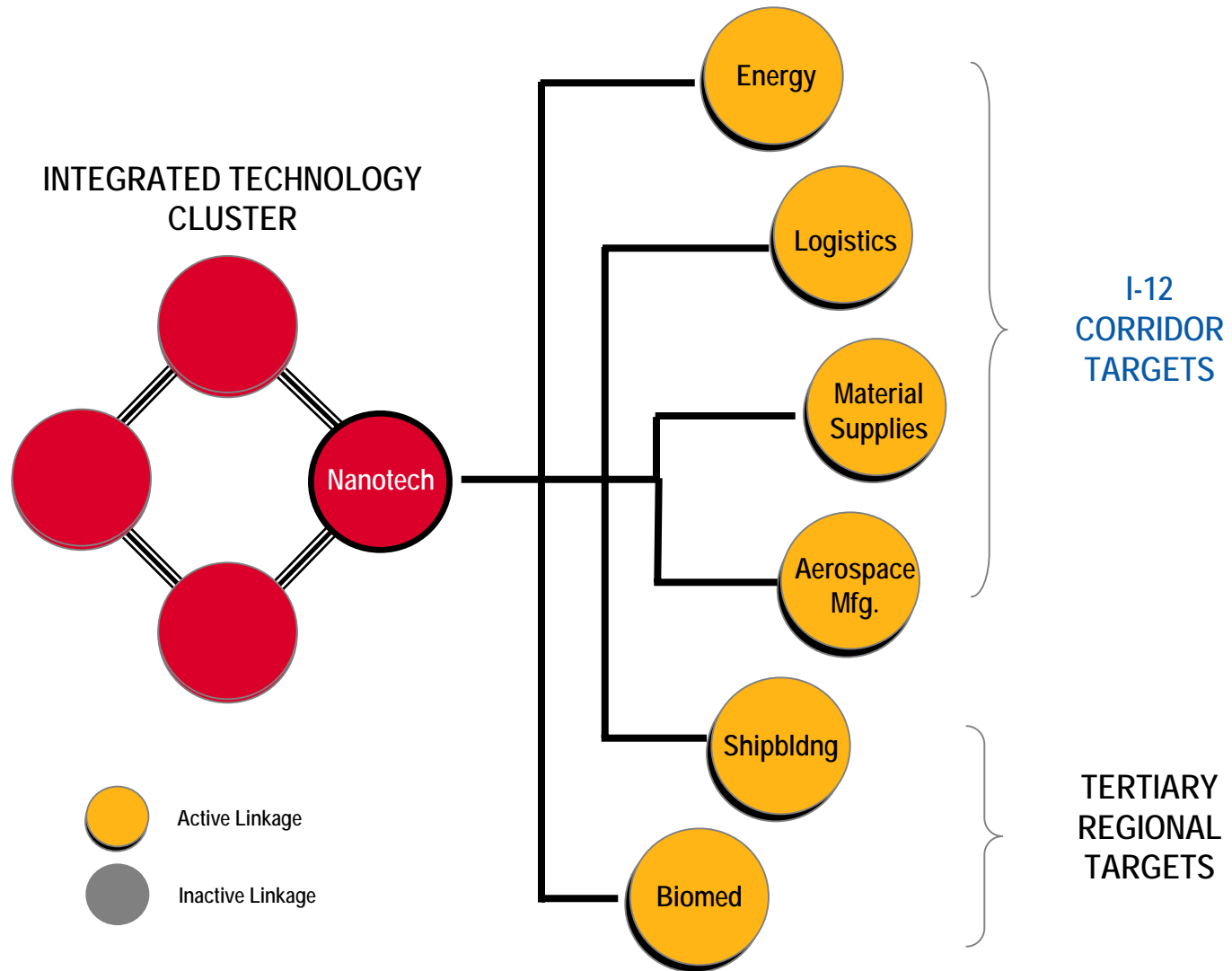
GEOSPATIAL TECHNOLOGY REGIONAL INDUSTRY LINKAGES



Why Nanotechnology / Advanced Materials?

- Nanotechnology involves manipulation of matter at the atomic level, which gives them new properties (optical, magnetic, thermal, electrical)
- Applications in a variety of fields (NASA, and oil and gas, among others)
- Advanced Materials Research Institute and the National Center for Advanced Manufacturing bring research capacity

NANOTECHNOLOGY/ADVANCED MATERIALS REGIONAL INDUSTRY LINKAGES



Why Information Technology?

- Louisiana Immersive Technologies Enterprise (LITE) - 3D Visualization and Supercomputing Center's SGI Altix Supercomputer
- Louisiana's "Queen Bee" Supercomputer one of the top 25 supercomputers in the world
- Louisiana Optical Network Initiative (LONI), a fiber optics network linking the state's major research universities that revolutionizes computing speed and dramatically enhances research
- Connection to LambdaRail, a national network

INFORMATION TECHNOLOGY REGIONAL INDUSTRY LINKAGES

