

Strategic local infrastructure table

Transition Ingredient: Strategic local infrastructure

Copyright to the Author: Rob Hopkins

Employment Sector	Industry type	Opportunities for economic development	Infrastructure needed
Food production / land use	Organic farming	Farm workers, research and innovation, value adding and processing, retail, Community Supported Agriculture initiatives	Farm buildings, packing houses, farm machinery
	Organic food production	Training, freshwater aquaculture, organic gourmet mushroom production for food and medicines, intensive market gardening, food preservation	Glasshouses for aquaponic fish production, sealable buildings for mushroom cultivation, greenhouses, composting
	Urban agriculture	Coordination, land access provision, edible landscaping consultancy, online tools for linking growers and consumers, large potential for commercial production, plant nurseries and propagation	Greenhouses, tools, access/deliveries by cycle, horse or electric vehicle, space for storage, packing and processing
	Forestry	Timber for construction and a variety of uses, sawdust for mushroom cultivation, charcoal, wood gasification, coppice products, saps, tannin, bark mulch, education, training, food crops, fibre	Mobile sawmills, wood gasification equipment, shredders, drying kilns, covered working space, timber storage space
	Agroforestry systems	Design consultancy, planting and ongoing management, selling of a wide range of	Tree nursery beds, nut harvesting equipment, processing

		produce, long-term enhanced timber value, courses, publications, research	
	Textile production	Farming, processing, manufacturing	Factories with facilities for washing, scouring, retting, grading, spinning, weaving, dyeing and finishing
	Gleaning	Apple harvesting and pressing, hedgerow drinks and other products, education	
	Schools	Edible landscaping, teaching, Education for Sustainable Development, food-growing training, apprenticeships, bespoke Transition training programmes	Polytunnels, garden infrastructure, tools and equipment
Manufacturing and processing	Recycling	Salvaging building materials, processing and reclaiming materials (bricks, timber, etc.), making insulation from waste paper and glass bottles	A yard or industrial space with covered area, the various appropriate equipment for the relevant tasks
	Sustainable industry	Renewable energy technologies manufacturing and installing, technology systems	Workshops with specialist equipment, office space
	Repair	Extending the life of machinery, building for durability	Covered space for working on machinery, appropriate equipment
	Scavenging	Materials reuse, refurbishing, resale to low-income families	
Services	Healthcare	Holistic healthcare, research into effective herbal medicines, local herb-growing and processing, training for	Glasshouses/polytunnels, laboratory, bottling

		doctors, apothecaries, nutritional advice	
	Hospice / bereavement services	Hospice services, supporting families who keep relatives at home, green burials	
	Energy	Home insulation advice, energy monitoring, energy- efficient devices, investment coordinators, sale of energy to grid or decentralised energy systems, producing woodchip/pellets for boilers, Energy Resilience Analyses for businesses	
	Compost management	Collecting, managing, training, distribution, education, potential links to urban food production	
	Information Technology	Creation of effective software systems for energy management, carbon footprinting and much more	Office space?
	Financial investment	Credit unions, local currencies, mechanisms whereby people can invest with confidence into their community, Green Bonds, crowd funding	
	Government	Councils	Opportunity to organise efforts throughout region / parishes
	Researchers	Opportunity to gather information from the many projects and enterprises under way	

Education and design	Educators	Wide range of opportunities for supporting 'The Great Reskilling', developing distance learning programmes, training for professionals	
	Sustainable designers	Landscape architects specialising in edible landscaping, zero-carbon buildings	
	The Arts	Art projects documenting Transition, installations, exhibitions, public art workshops, local recording studios, storytelling	
	Transition Consulting	Working with businesses on energy audits, resilience plans, a range of future-proofing strategies	
Personal / group support	Counselling	Personal 'Transition counselling', group support, community processes	
	Citizens Advice	Debt advice, housing advice, financial management skills, debt scheduling	
	Outplacement / redundancy support	Support, retraining, ongoing support and training	
Media	Print media	Local newspapers, small print run books on different aspects of Transition	
	Internet	Online retailing systems for local markets	
	Film media	Online TV channels documenting inspiring	

		examples of Transition in action	
Construction	Reskilling	Retraining builders to use local materials and green building techniques, improving awareness around energy efficiency in building, setting up local construction companies, rainwater harvesting systems, design and installation	Demonstration site where people can learn by doing, storage for natural building materials, a shop where people can buy them
	Materials	Creating local natural building materials, clay plasters, timber, lime, straw, hemp, etc. Growing, processing, distribution, retail, etc., locally made wallpaper	Hemp processing equipment, sawmill, limekilns and roller mixer, yard and covered space, equipment for processing, bagging and storing clay plasters
	Architects	Specialists in Passivhaus building, local materials, retrofit advice	Demonstration buildings as showcases
Transportation	Low-energy vehicle fleets	Marketing, maintaining, renting, chauffeuring	Garage space for repairs, recharging points
	Bicycles	Selling, servicing, maintenance training, rental	Bicycle workshop for repairs
	Rickshaws	Importing, servicing, taxi service, weddings, etc.	Garage space for repairs, fuel processing
	Biodiesel	Sourcing, processing, selling, training and advice	Simple equipment for processing biodiesel
	Biomethane / electric vehicles	Fleet management, sales, leasing, car clubs	