Alternatively, a wind energy engineer may supervise the manufacture of rotor blades or other components. Wind energy engineering involves the process of designing wind farms, and refers to all aspects of the design process. It involves developing site specifications, planning, manufacturing and testing all hardware and electrical components, and even building roads and transporting components to installation sites. Wind Energy Engineering, Second Edition. by: Pramod Jain, Ph.D. Abstract: This authoritative resource offers comprehensive details on effectively using wind energy as a viable and economical energy source. Featuring a multi-disciplinary approach, Wind Energy Engineering covers physics, meteorology, aerodynamics, wind measurement, wind turbine specifications, electricity, and integration with the grid. Planning, site selection, cost assessment, environmental impact, and project management are also discussed.