

Operations Management Research Closed-Loop Supply Chain Management

The primary objective of closed-loop supply chain management (CLSC) is to recover the remaining economic value in used products. In an era of unprecedented levels of consumption, rapid depletion of virgin natural resources and increasing levels of waste, recapturing the value remaining in used products and reducing diversion to landfill is one of the most effective ways of enhancing environmental sustainability. CLSC encompasses the recovery of material (e.g., recycling) as well as higher end product recovery (e.g., reuse, refurbishing, remanufacturing).