



Figure 2.3
 If intelligent (business) areas are possible, then the concept can surely be extended to larger, or more heterogeneous, communities, cities or even regions? (Source: DEG, 1992, 1999.)

Goals	Tasks	Intelligent city attributes			
Living	Shelter Leisure Learning Caring	Urban infrastructure and masterplan	Information network	Urban management strategy	Houses
					Hotels
Hospitals					
Learning environments					
Work environments					
Retail facilities					
Moving	People Goods Information	Entertainment facilities			
		Airports			
		Railway stations			
Working		Bus stations			
		Freight distribution centres			
		Road/rail networks			
		Transportation vehicles			
		Green spaces			
		Outdoor facilities			

Figure 2.4
 The DEG Intelligent City Model, demonstrating particular attributes of intelligent cities, in the broad functional categories of living, moving and working. (Source: Harrison et al., 1998; DEG, 1992, 1999.)

growth. No city is static – if a city is not growing, it is by default stagnating (Jacobs, 1969). How effectively a city facilitates this economic function is therefore a key measure of city intelligence. But exchange is not confined to the economic

Figure 2.5
 The traditional market is more than simply a place of exchange of goods; it is also a meeting place, where both social and economic interchange takes place. (Source: Guy Briggs.)



sphere. Cities exist equally to facilitate social interchange. Both of these attributes can be described as transactions, which further illustrate the first of the primary drivers for the existence of cities as: *Creating the conditions for social and economic transaction* (Figure 2.5).

The second primary driver relates to freedom. Historically in the west (and currently in the developing world) large-scale urbanization has been driven by a desire to escape from the constraints of agrarian subsistence survival. Movement to the cities promised rural dwellers a level of freedom that a rural lifestyle was incapable of supporting. Historically, cities were places where indentured serfs might flee the bonds of feudal