

IoT Grid – See Internet_of_things_tutorial at specified page number for more info.

Consumer Applications	Home p.30 IoT takes the place of a full staff. Butler, Chef, Nanny, Gardener, Repairman, Security Guard	Work p.31 IoT learns about you, your job, and the way you work to deliver an optimized environment.	Play p. 31 Culture and Nightlife, Vacations, Products and Services	
Media marketing Advertising	Marketing and Content Delivery p.10 Improves the consumer experience by only delivering relevant content and solutions.	Improved Advertising p.11 This makes advertising more functional and useful to people searching the marketplace for solutions or wondering if those solutions exist.		
Environmental Monitoring	Air and Water Pollution p.12 Reducing the need for human labour, allowing frequent sampling, allowing sophisticated testing on-site, and co-ordinating responses.	Extreme Weather p.12 This allows early detection and early responses to prevent loss of life and property.	Commercial Farming p.12 Systems detect changes to crops, soil, environment, and more.	
Manufacturing Applications	Intelligent Product Enhancements p.14 Information comes directly from market use and buyers rather than assorted sources of varied credibility.	Dynamic Response to Market Demands p.14 An IoT system can better assess and control the supply chain (with most products), whether demands are high or low.	Lower costs, Optimisation, and less waste p.14 It analyses the entire process from the source point to its end	Product Safety p.15 Helps in avoiding recalls and controlling nonconforming or dangerous product distribution.
Energy Applications	Residential Energy p.16 IoT offers a sophisticated way to analyse and optimize use not only at device level, but throughout the entire system of the home.	Commercial Energy p.16 IoT simplifies the process of energy monitoring and management while maintaining a low cost and high level of precision.		
Healthcare Applications	Research p.18 This aids in healthcare by providing more reliable and practical data, which yields better solutions and discovery of previously unknown issues.	Devices p.18 IoT unlocks the potential of existing technology and leads us toward new and better medical device solutions.	Care p.19 They utilize far better data and equipment, which gives them a window into blind spots and supports more swift, precise actions.	Emergency Care p.19 IoT gives providers critical information for delivering essential care on arrival.
Government Applications	City Planning and Management p. 26 engineers can use IoT to analyse the often-complex aspects of city planning and management.	Creating Jobs p.26 It analyses industry and the marketplace to spot opportunities for growth and barriers.	National Defence p.27 It supports better protection of borders through inexpensive, high performance devices for rich control and observation.	
Transport Applications	Rails and Mass Transit p.22 Scheduling, optimizing transport times, reliability, managing equipment issues, and responding to customer needs.	Road p.22 Create a Poster supporting an educational way to use technology. Where would you display this poster to make a difference? (100 words).		
Law Enforcement Applications	Policing p.28 Remote observation, logged footage of violations, and electronic ticketing.	Court System p.28 IoT brings superior analytics, better evidence, and optimized processes to court systems.		