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Imagine living in a city where the average daily commute is two hours each way and you need to wear a mask as protection from pollution. That's Jakarta today. Indonesia's capital is a city in transition, trying to accommodate one of the world's highest rates of urbanization in spite of a dated infrastructure. Traffic, waste management, pollution, public health and safety, and the delivery of basic public services are among the many challenges in this new normal. But, city leaders have a vision to use technology to do more with less—to become a "smart city."

Deloitte has identified a host of actions to help Jakarta achieve its smart city vision. "Becoming more technologically advanced not only promises to improve citizens' quality of life, but it also should advance environmental sustainability," explains Chew Chiat Lee, Executive Director, Consulting, Deloitte Southeast Asia. "We can help city leaders to define a clear vision and identify the bold steps needed to close the gaps between where they are and where they want to go."

Using Deloitte's "Smart City Preparedness Assessment Toolkit," the Deloitte team identified 16 ideas that can further fuel the momentum started by government programs. Six interconnected "smart" categories—living, mobility, governance, environment, economy, and people—were then identified and translated into specific metrics that are ambitious, relevant, measurable, and achievable. Among the targets for 2025: creating 100 percent access to potable water; cutting crime in half; boosting public transportation to reduce traffic congestion by 30 percent; having 50 percent of all commercial and governmental buildings Green certified; complete access to basic health care; and zero poverty.

"Getting to their desired states will require an ecosystem of government, private-sector players, nongovernmental organizations, development agencies and citizens working together. There's much to do," Lee says. "But, the desire is there. A plan is now in place. And momentum is building. It will be exciting to help Jakarta turn its smart city dream into a reality."

Environmental sustainability across the network

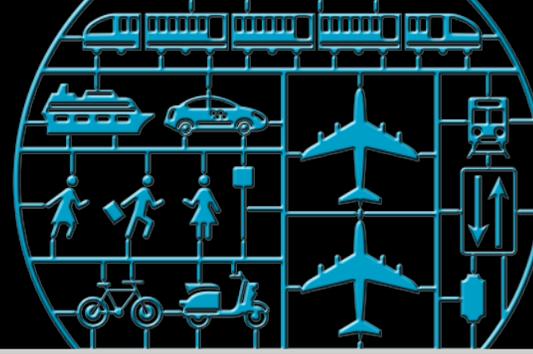
Several of the same tools and strategies Deloitte advocates to enable smart cities are employed throughout our organization as part of an ongoing approach to environmental sustainability. Our journey, like those of our clients, is constantly enhanced using data. Deloitte tracks and reports on key metrics using a networkwide, cloud-based sustainability management system.

- Between FY2014 and FY2016, we reduced total electricity consumption by 5 percent, while increasing global headcount by 16 percent.
- During the same time frame, we reduced greenhouse gas emissions from buildings by 12 percent and increased purchases of renewable energy.
- While overall, absolute greenhouse gas emissions increased by 2 percent, emissions intensity measured by emissions per full-time equivalent (metric tons CO₂e/FTE) dropped by 6 percent since last year and 11 percent since FY2014.
- Total paper consumption was down 11 percent from last year and 21 percent less than FY2014.

Deloitte's portfolio of LEED- and BREEAM-certified office space include facilities in New York, Amsterdam, Hong Kong, Sao Paulo, and Istanbul. Many Deloitte offices, including the

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Gateway in Belgium, are strategically located in transportation hubs.

During the past year, a number of member firms reduced the impact of fleet vehicles by giving incentives for low-emission lease choices and surcharges for higher-emission vehicle options. Other firms are providing discounts for public transportation fees or car-sharing memberships.

For an organization growing as rapidly as Deloitte—which has added 34,000 jobs the past two years—initiatives like these will continue to be critical in curbing our impact on the environment.