



# TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT REFRESHER TRAINING COURSE

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# WHAT IS SUSTAINABLE DEVELOPMENT AND WHY IS IT SO IMPORTANT? FOR BUILDING SCIENCE PROFESSIONALS

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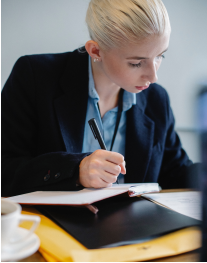
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## WHAT SHOULD YOU LEARN



- What is sustainable development and why it is important
- Why is sustainable development important and why is it monitored?
- Primary Objectives Of Sustainable Development:
- Agenda 2030 for sustainable development



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## WHAT IS SUSTAINABLE DEVELOPMENT

By now we've all likely heard mention of sustainable development & design and 'green' building; while the general concept is fairly straightforward and widely accepted as a good idea in theory, many individuals don't fully understand the impact of, (and critical need for,) such developmental practices.

The Beyond Smart Cities defines sustainable development as: "Development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

Sustainable development is a carefully planned strategy to embrace growth while using resources more efficiently, with utmost consideration of immediate AND long-term benefits for our planet and the humans who live on it.

## OBJECTIVES OF SUSTAINABLE DEVELOPMENT

**Economic growth** : building a strong, competitive economy, by ensuring that sufficient land of the right type is available in the right places and at the right time to support growth and innovation; and identifying then coordinating development requirements.

**Environmental protection**: contributing to protecting and enhancing our natural and developed environment, while helping to improve biodiversity, use natural resources wisely, minimizing waste and pollution, and adapting to and helping to decrease climate change, including a global shift to low-carbon economy.

**Social inclusion** supporting strong, vibrant and healthy communities by providing the supply of housing required to meet the needs of present and future generations; and by creating a high-quality of development, with accessible local services that reflect the community's needs and support its health, social and cultural well-being.

## OBJECTIVES OF SUSTAINABLE DEVELOPMENT+



☑ To achieve effective sustainable development, the 3 primary objectives must be applied simultaneously, interacting with one another in a consistent, committed effort.

☑ Applying these strategies to development means that cities must embrace low-carbon growth and public transportation, climate-smart agriculture, preservation of natural resources and greater efficiency in energy and the global supply chain.

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## OBJECTIVES OF SUSTAINABLE DEVELOPMENT+

- ☑ To achieve effective sustainable development, the 3 primary objectives must be applied simultaneously, interacting with one another in a consistent, committed effort.
- ☑ Applying these strategies to development means that cities must embrace low-carbon growth and public transportation, climate-smart agriculture, preservation of natural resources and greater efficiency in energy and the global supply chain.
- ☑ Sustainable development practices help countries grow in ways that adapt to the challenges posed by climate change, which will in turn help to protect important natural resources for ours and future generations.
- ☑ By the year 2050, it is estimated that our global population will likely reach 9 billion people. The challenge of sustainable development is to move forward in such a way that every single one of these people will be able to enjoy a substantial quality of life without being detrimental to our natural resources.

## WHY IS IT MONITORED?

- ☑ Sustainable development is a continuous and controlled social change in cities and municipalities, that is happening globally, regionally and locally.
- ☑ The aim is to secure opportunities for a good life for present and future generations. Development cannot be sustainable without limited and rational use of natural resources at the same time.
- ☑ A sustainable city secures the opportunities for a good life for present and future generations on an equal footing, while taking into account the limited natural resources and carrying capacity of our entire planet. Economic activity should be limited so that biodiversity does not suffer while at the same time supporting the empowerment and social justice of inhabitants.

## SUSTAINABLE DEVELOPMENT GOALS



## AGENDA 2030



✓ **Agenda 2030** The UN Agenda 2030 for Sustainable Development serves as a guiding framework for sustainable development.

✓ At the September 2015 summit in New York, UN member states agreed on the sustainable development goals and agenda to guide global development efforts up to 2030. The agreement includes 17 different objectives that address sustainable development.



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**BEYOND**  
SMART CITIES

**THANK YOU**

**THE WORLD'S 1ST GREEN TECHNOLOGY  
MARKETPLACE**



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