

- I. Introduction and Learning Objectives**
- II. What is Sustainable Development?**
 - a. Defining Sustainable Development
 - b. Leadership in Energy & Environmental Design
 - c. Environmental Product Declaration
 - d. Health Product Declaration
- III. Steel + Zinc: The Healthy Metal**
 - a. Natural, Abundant Elements
 - b. Natural levels of Zinc in the Environment
 - c. Infinitely Renewable Resources
- IV. HDG Environmental Performance**
 - a. Hot-Dip Galvanizing & LEED v4
 - b. BPDO Credits
- V. Hot-Dip Galvanizing Environmental Product Declaration**
- VI. Hot-Dip Galvanizing Life-Cycle Assessment**
 - a. Production Phase
 - b. Use Phase
 - i. Durability
 - ii. Long-Lasting Protection
 - c. End-of-Life Phase
- VII. LCA Case Studies**
 - a. Balcony Structure
 - b. Parking Structure
- VIII. HDG Economic Performance**
 - a. Cost Case Study
- IX. Summary**