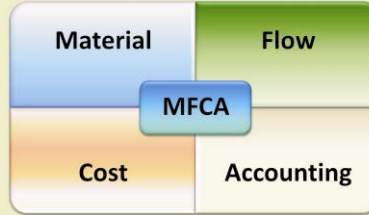




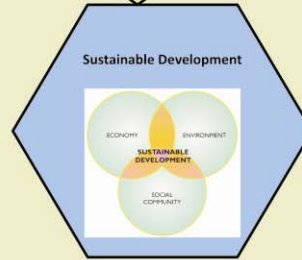
# National Productivity Council

(Under Ministry of Commerce & Industry, Government of India)

E-5, GIDC ELECTRONIC ESTATE, GANDHINAGAR-382028, GUJARAT



- Reduced Wastages
- Reduced Environmental Impacts
- Reduced Energy Consumption



**Green productivity**

• Green Productivity is a dynamic strategy to harmonize economic growth and environmental protection for sustainable development

**Sustainable Development**

• Sustainable Development is the development that meets the needs of the present without compromising the ability of future generations to meet their own needs



Before MFCA Implementation	After MFCA Implementation
Process Scrap is more at final Cutting: During cutting, operator had to grip end portion of tubes with hand because of insufficient gripping of clamp. Due to that process scrap was more, approximate 100 mm / tube.	Process Scrap is very less at final cutting: Vertical pneumatic cylinder is attached for sufficient gripping, thus no need of manual gripping. Due to this arrangement now the process scrap is decreased up to 60mm / tube. It is clearly visualized by Photograph below.



Vertical Pneumatic Cylinder for sufficient gripping for cut tubes