



Course Objectives



- Present the fundamentals of pipeline operations.
- Equip students with basic knowledge for a new pipeline controller.
- Use simulators, scenarios, and activities that make the knowledge practical and realistic.
- Create a safe, comfortable learning environment so all can participate.

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Fundamentals of Operations



- Approximately 100 modules.
- Based on subjects that every pipeline controller needs to know.
- We will have printed reference copies.
- Material will be presented and discussed.
- Class and homework assignments.
- One or two tests per week.

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Basic Knowledge for Controller



- Pipeline operations fundamentals.
- Understanding of engineering, design, construction, and maintenance.
- Specific controller responsibilities:
 - Technical and operational
 - Human and organizational factors
 - Teamwork and leadership skills
- Controllers have to **KNOW** and **DO** and **BE**.

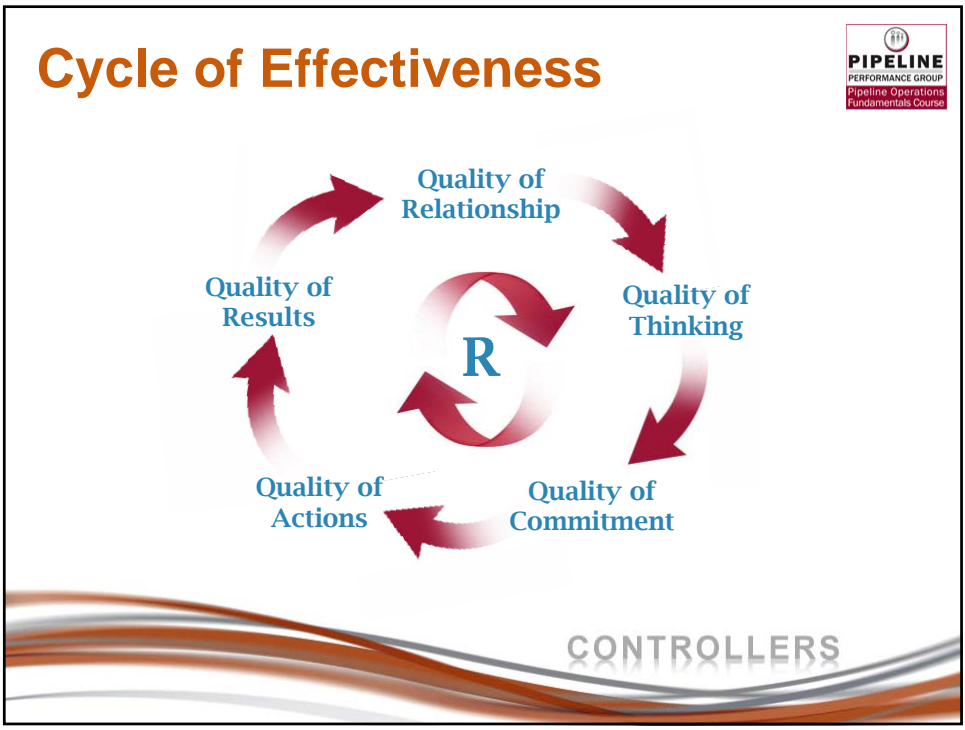
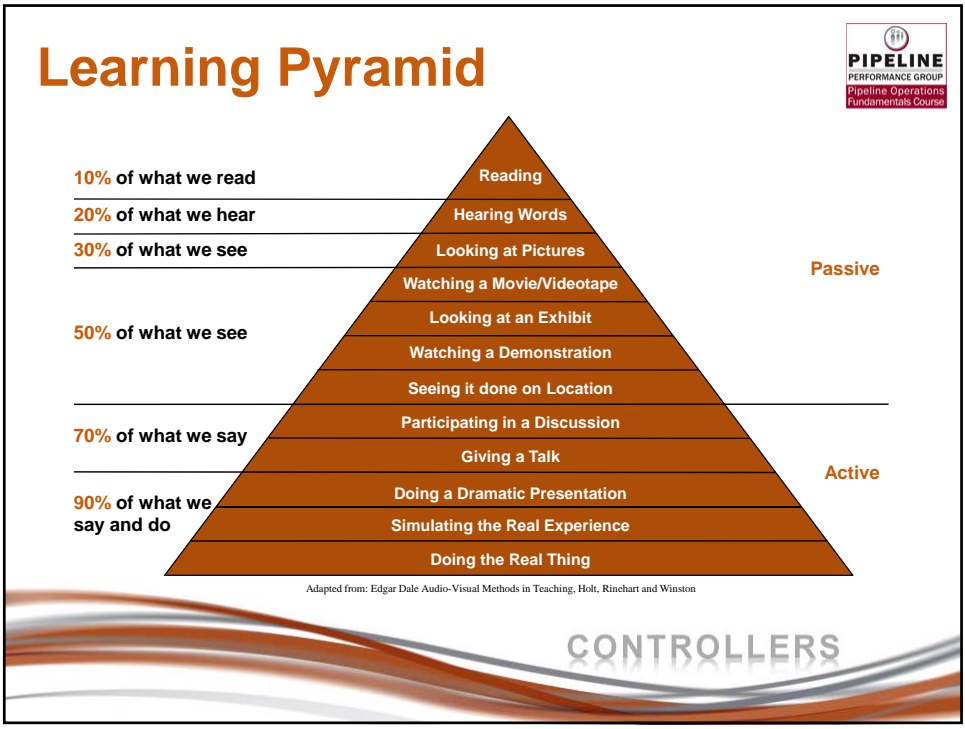
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Practice Makes Perfect



- Hydraulic demonstration model
- Simulations, using Stoner software
- Scenarios – normal, abnormal, emergency
- Demonstrations
- Individual and group exercises
- Practical learning activities

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Effective Pipeline Teamwork



- The LZC pipeline transports these products:
 - Regular gasoline
 - Premium gasoline
 - Diesel fuel
- This requires:
 - Teamwork
 - Procedures
 - Safe work practices
 - Quality control
 - Communication



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Effective Pipeline Teamwork



- Work together to operate and control the Ping Pong Pipeline
- This requires:
 - Teamwork
 - Procedures
 - Safe work practices
 - Quality control
 - Communication



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