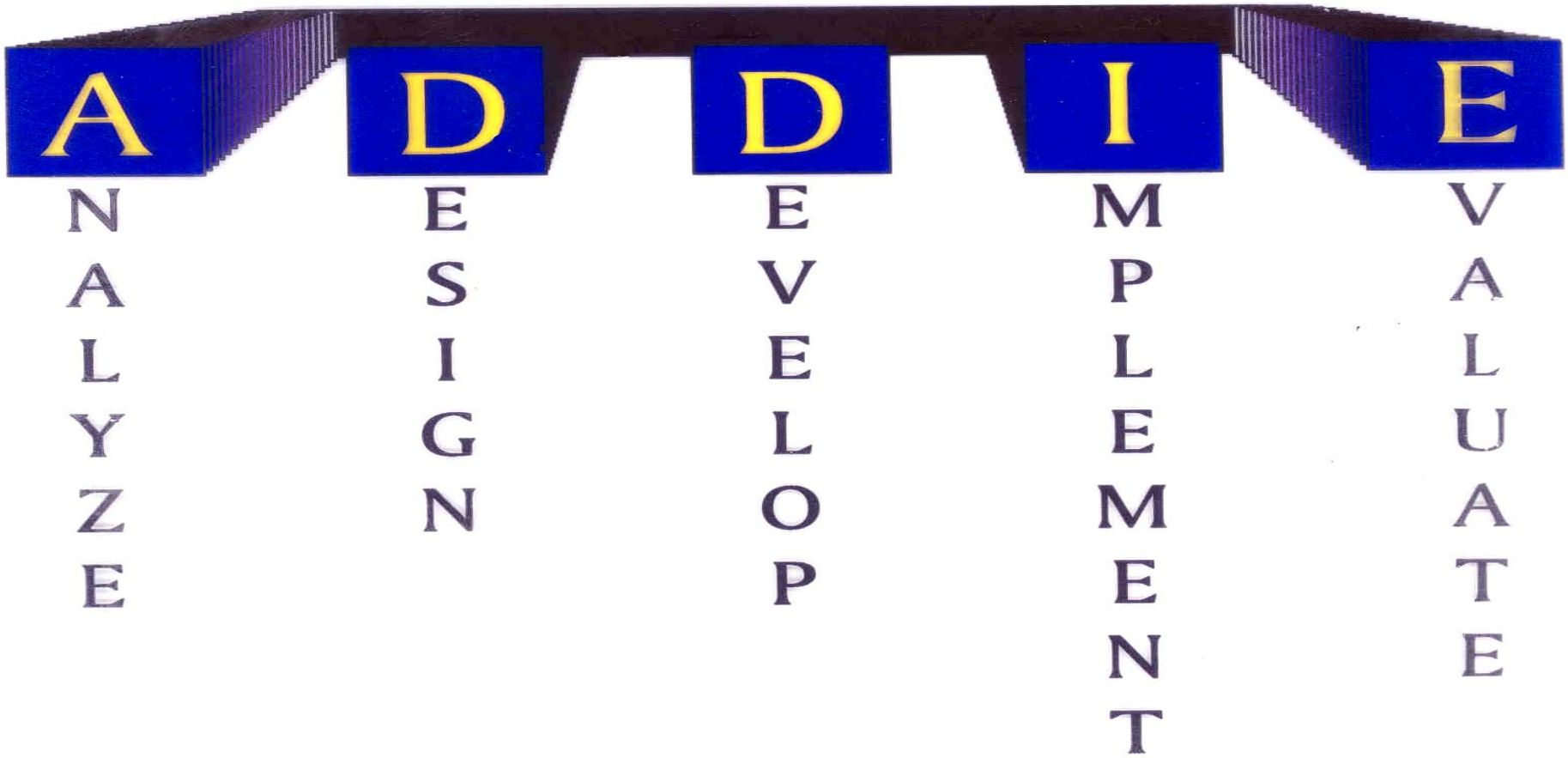
A Systematic Approach to Training

Utilizing a Systematic Approach in the Development and Implementation of Hands-on Hydrogen Training

SYSTEMATIC APPROACH to TRAINING (SAT)

- SAT model supports the analysis, design, development, implementation and evaluation of training
- SAT process matches the needed training to identified complexities, consequences and hazards
- Involvement of technical experts, management and training personnel is critical

Training Development Process



ADDIE

- **Analysis –** Identify hazards and requirements to be addressed by training
- **Design** – A plan that guides the creation of all training materials and strategies
- **Development** – Documentation, training materials, props and evaluation tools
- **Implementation** – Training is delivered and trainee mastery of learning objectives is assessed
- **Evaluation** – Determine effectiveness of training and implement continuous improvement

Potential Fuel Dispensing Station Training Scenarios

1. Hydrocarbon pool fire resulting from conventional hydrocarbon vehicle or dispenser event
2. Dispenser Breakaway
3. Dispenser Impact
    a. Excess flow control failure
    b. Incomplete pipe failure limiting/preventing excess flow control operation

Current Flammable Gasses Responder Information

- Guide 115 Gases - Flammable

Fire involving tanks

- Fight fire from maximum distance or use unmanned hoses or monitor nozzles
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tanks

2000 Emergency Response Guidebook. Guide 115, gases – flammable. U.S. Department of Transportation.