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TRAINING CONSORTIUM

AI in Action: Accelerating Technical Skills and Workforce Readiness

Presentation Topics

- The Current Training Challenge
- What AI Brings to the Table
- Benefits of AI in Upskilling Technical Employees
- Real Worl Applications
- Implementing AI for Technical Training
- Key Considerations
- Interactive Poll & Discussion
- Future of AI in Technical Training
- Key Take Aways

The Current Training Challenge

Why traditional training struggles:

- Skill gaps grow faster than training programs can keep up
- One-size-fits-all learning often fails technical employees
- Limited time for on-the-job training
- Knowledge retention is low without reinforcement

What AI Brings to the Table

AI capabilities in technical training:

- Personalized learning pathways using AI recommendations
- Intelligent tutoring systems for just-in-time guidance
- Virtual assistants and chatbots for 24/7 support
- AI-driven simulations and VR/AR training experiences
- Automated content creation and knowledge updates

Benefits of AI in Upskilling Technical Employees

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Why AI improves training outcomes:

- Accelerates learning by focusing on knowledge gaps
- Increases retention through adaptive reinforcement
- Reduces training costs and time away from work
- Provides data-driven insights for continuous improvement
- Empowers employees to take ownership of their learning

Real-World Applications

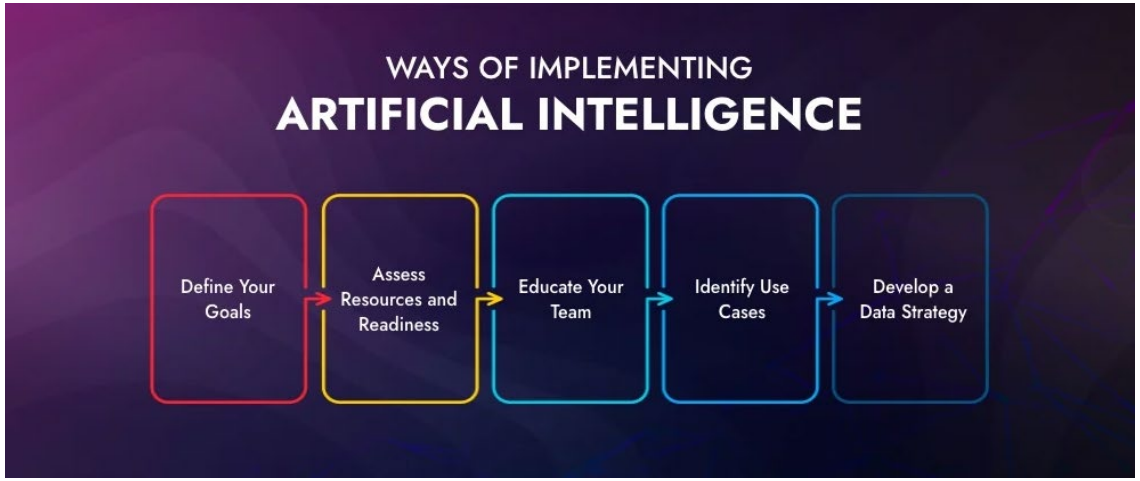
How companies use AI for technical training:

- Predictive analytics to target skill development in field employees
- ChatGPT or Copilot assisting with SOP or troubleshooting guidance
- VR/AR simulations for hazardous field procedures
- AI-generated microlearning modules delivered via mobile devices
- AI-driven assessments to measure competency and knowledge retention

Implementing AI for Technical Training

Steps to get started:

- Assess current skill gaps and training needs
- Identify AI tools that align with workforce goals
- Integrate AI into existing learning platforms
- Start small with pilot programs for critical skills
- Collect data, measure impact, and iterate



Key Considerations

What to keep in mind:

- Ensure ethical and responsible AI use
- Protect employee data privacy
- Avoid over-reliance—maintain human oversight
- Communicate AI benefits to employees to drive adoption
- Provide ongoing support and learning resources

Interactive Poll / Discussion

How Is Your Organization Using AI Today?

- Are you currently using AI in technical training? (Yes/No/Planning)
- Which AI tools do you use? (ChatGPT, Copilot, VR/AR, analytics, none)
- What's your biggest challenge with AI training adoption? (Cost, skills, culture, tech)

The Future of AI in Technical Training

Upskilling the workforce faster:

- Continuous, adaptive learning driven by AI
- Real-time skill assessment and coaching
- Integration with mobile learning and field operations
- Predictive workforce planning for emerging technical needs

Key Takeaways

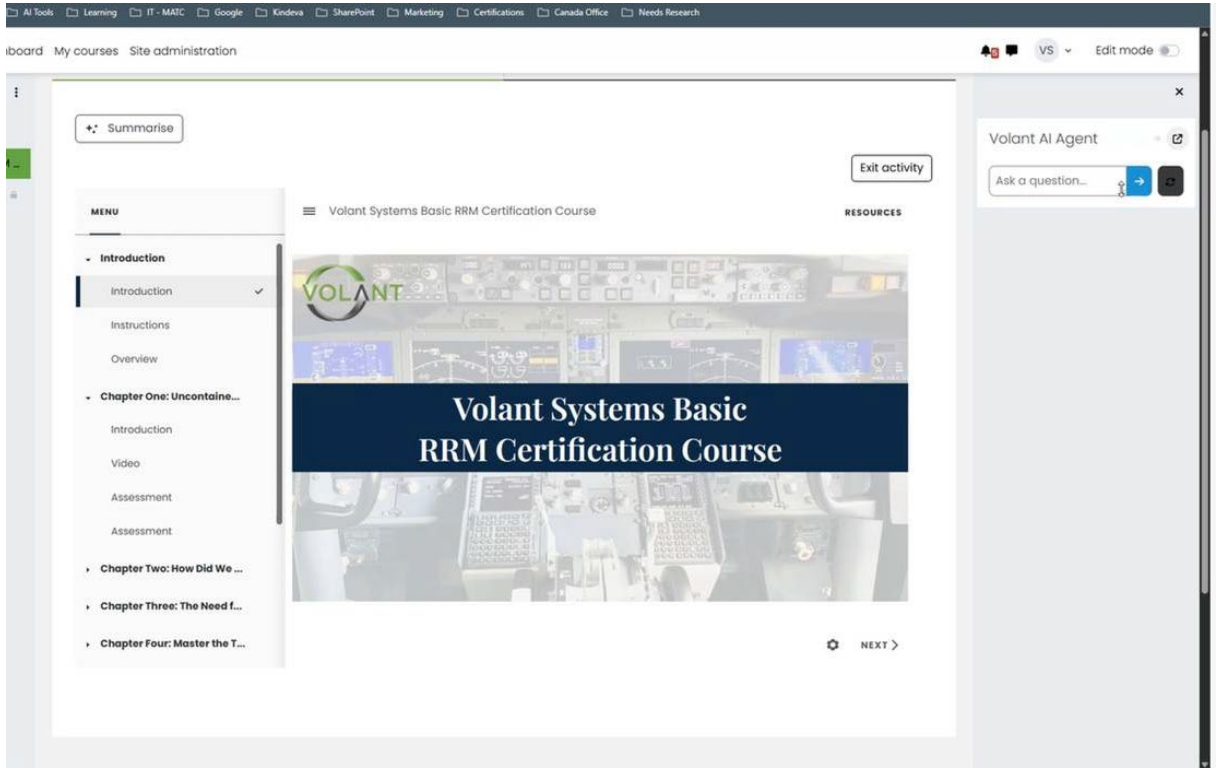
- AI can **personalize, scale, and accelerate technical training**
- AI enhances retention and reduces learning time
- Start with pilots, measure impact, and expand strategically
- Ethical and supportive AI use drives adoption and effectiveness
- AI is a powerful tool for preparing field employees for tomorrow's challenges

AI Training Use Cases

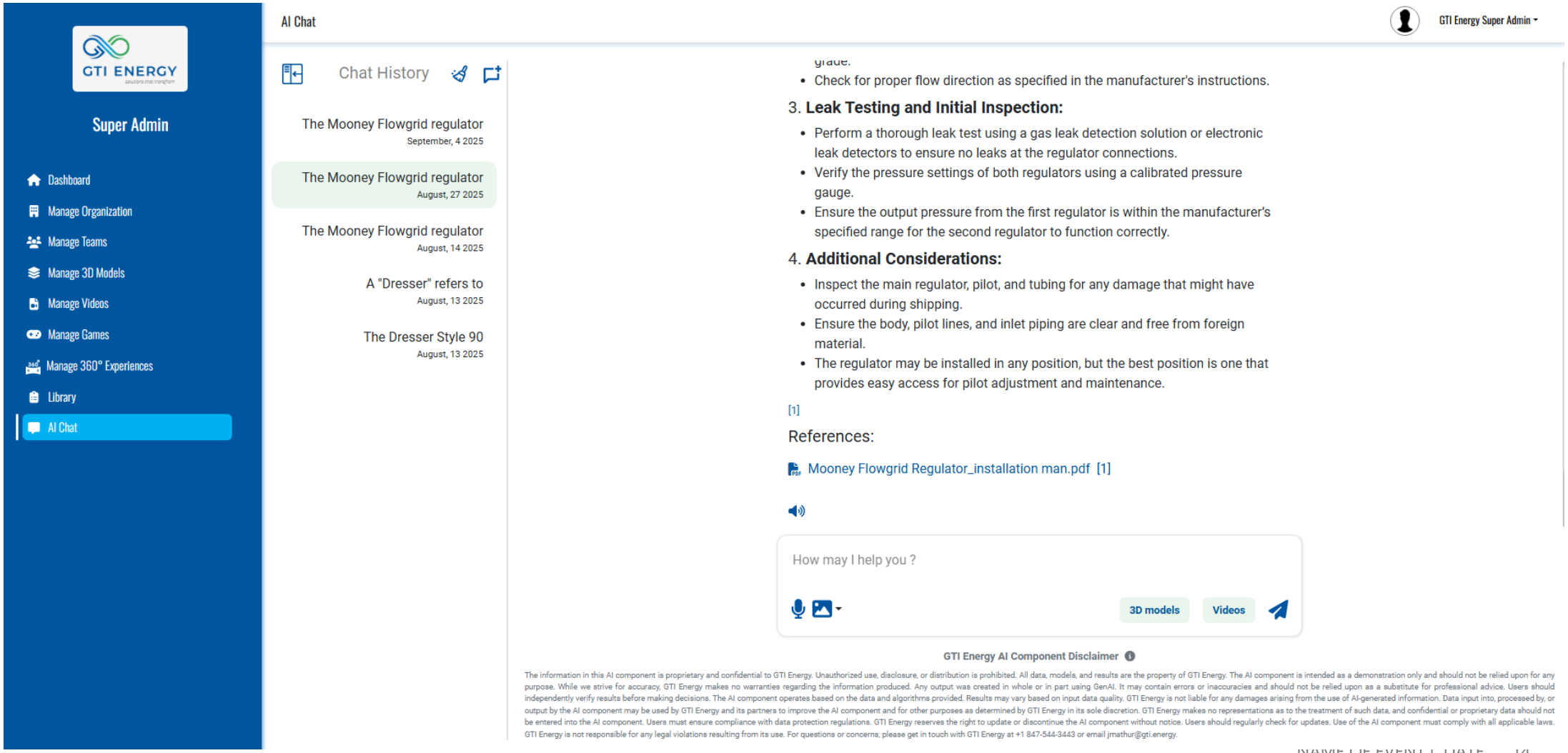
- Test Creation and Assessment
- Translation and Voice-Over Of Training Materials
- Learning and Personalization Of Training Programs
- Custom Models For Corporate Training
- Generating Training Materials and Presentations
- Personalized Tutors and Mentors For Employees
- Lesson Planning and Differentiation of Employee Training
- Gamification of Learning with AI

GTI Energy's Vision For AI and Training

- AI virtual instructor that delivers the course content – you pick the instructor and voice.
- Embedded within eLearning lessons
- Chatbot within instructor led training programs
- Training and field assistant tool
- Adaptive learning tools

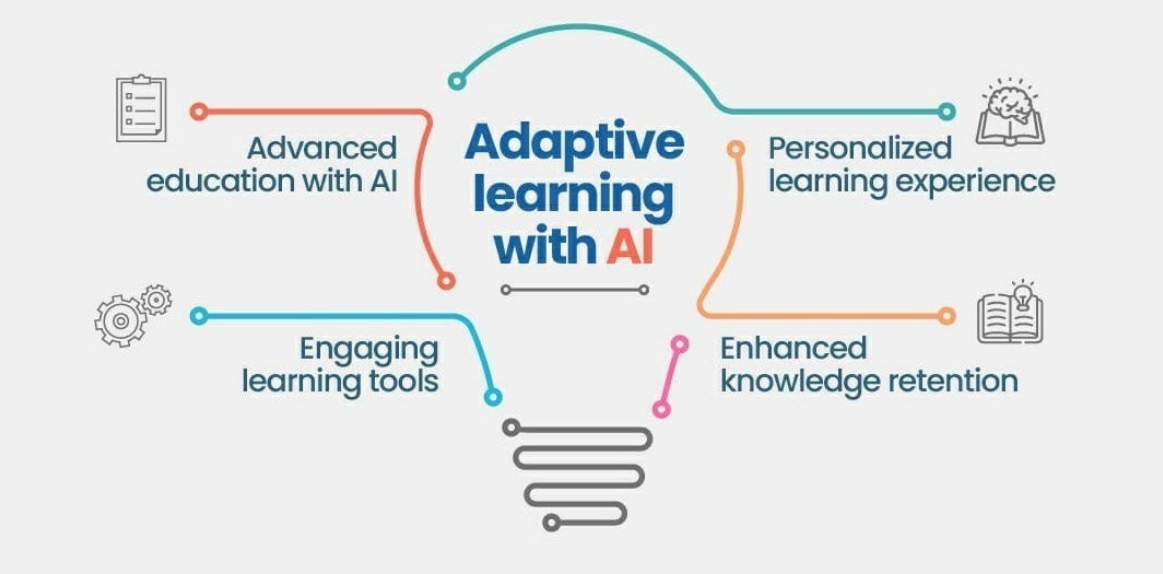


AI Chat Demonstration



Adaptive Learning

- Data Collection and Analysis
- Real-Time Adjustment
- Personalized Learning Path
- Continuous Feedback and Reinforcement



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Questions?