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SAFETY SEMINAR & EXHIBITION
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Abstract: Optimizing refinery amine system performance without capital.

With expansion of refinery units for cleaner fuels, many amine systems faced additional large capital expenditures for the amine regeneration equipment. Upgrading the amine solvent to formulated MDEA products allowed these additional units to fit within the existing amine regeneration equipment. We will look at several case studies and approaches to both maximize amine circuit efficiency with solvent and operation approaches. We will also explore customer treating goals for refineries and the conversion approaches taken when moving from MEA, DGA, DIPA, or DEA to higher efficient MDEA formulations.