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Chief Editor, nils.leffler@ch.abb.com

Publisher's office

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Switzerland

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The depletion of non-renewable energy sources is accentuated by the rapidly approaching extinction of our oil reserves over the coming decades. With China and India emerging as economies of scale, competition for these resources will significantly increase and a shift to renewable energy sources will become mandatory. Along this transitional path, effective and sustainable energy management with regard to all aspects of generation, transmission, distribution and final usage must be high on the agenda of all energy users.

As oil prices continue to move closer to \$100 per barrel over the next several years, the search for energy efficient solutions for industrial and utility applications is increasing in intensity. Current technologies can improve the efficient use of these resources and their optimal management. Whether the concern is the effective generation of energy, the application

of energy efficient equipment in industry or the cost efficient combination of several energy sources, there are solutions that ensure existing supplies are better utilized. The improvements might be significant or marginal but when added together and combined with the integration of renewable sources, the result will be a considerable reduction in the rate at which non-renewable energy sources are depleted.

In the next issue of ABB Review we focus on energy management and energy efficient equipment, their importance and benefits. Reduction in CO₂ as a consequence of effective energy management is reviewed and a smorgasbord of applications are examined in brief.

Industrial safety is another aspect of sustainable management and some of ABB's contributions in this field are examined in some depth.