

Many companies in the energy, oil and process industries have committed to a 'Net Zero' program. Such programs call for net emissions of greenhouse gases by a specific date — often the year 2050.

We are publishing a series of videos on this difficult, complex and demanding topic. Their purpose is to help company management understand what needs to be done to achieve this extraordinarily ambitious goal.

Here is some information to do with the first video. Its YouTube address is
<https://youtu.be/Pe6WpUAWUQI>.

Many companies and government agencies are planning, developing and implementing 'Net Zero by 2050' programs. The basic idea is that their organization has net emissions of greenhouse gases by the year 2050. They achieve this by reducing emissions and by installing carbon capture technology.

Although the basic idea behind 'Net Zero by 2050' is simple, its implementation will require a radical transformation of the manner in which industrial society is organized. Moreover, Net Zero programs will be very costly and will require a coordinated effort from people, companies and governments around the world.

In addition, Net Zero programs are very complex and interact with many other issues, such as resource depletion or population growth, that are equally complex. There are many interactions and feedback loops, all of which are difficult to understand, and some of which have not even been identified.

This series of videos has two primary goals. The first goal is to explain the realities of Net Zero programs, in particular to outline the engineering, project management and financial realities that they involve.

A second goal of the videos is to discuss how companies, particularly companies in the energy, oil and process industries, can go about implementing Net Zero programs, while maintaining business during the transition.

This first video in the series is entitled 'Introduction'. It provides some background to Net Zero programs. It also shows how rapidly we, as a society, have increased greenhouse gas emissions over the course of the last 70 years, and how extremely challenging it will be to reduce those emissions to zero in just 30 short years.