

Exsys Case Study

National Fire Code Advisor

Dynalytics Corporation

Dynalytics has developed many expert systems for a wide variety of applications including:

- ◆ Environmental permitting
- ◆ Design and quality control aspects of process plants
- ◆ Troubleshooting problems in complex equipment.



The purpose of the fire code advisor is to make certain parts of the national fire codes more understandable and manageable. Architects, engineers, and design people benefit greatly from quick access and interpretation of standards, which encompass gas turbine and diesel engine fuel delivery systems.

Fire codes consist of fairly rigid guidelines for many areas. By interacting with the expert system questionnaire, users can get extracts of the code which are pertinent to each installation by selecting from possible responses to questions, and providing values for size and range of applicability. As a result, the expert system edits the fire code standards and generates a listing of relevant sections. The report is specific, only provisions that are relevant to the situation under consideration are presented to the user. Aside from the tremendous savings in time, there is no risk that something is overlooked or misinterpreted in the national fire code standards.

A Fire Safety Advisor using Exsys software is also located on OSHA's web site at:

<http://www.osha.gov/dts/osta/oshasoft/index.html>



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