



Codes & Standards Compliance Assessment for Fuel Cell Organizations



INTRODUCTION

Energy Technology Services (ETS) is a technical consulting firm focused on distributed energy. ETS is comprised of 18 engineers – mostly former employees of a major fuel cell company – with more than 600 years of experience (and 167 patents) in developing fuel cells, hydrogen generators, fuel processors, power conditioners, and related power management and integration devices.

ETS provides a comprehensive evaluation of the codes and standards (C&S) applicable to the design, installation, and operation of your fuel cell system. We can work with you at any point in your development process, from the preliminary P&ID to the final stages of system design – the earlier the better to design in (rather than “add on”) compliance.

THE THREE-STEP PROCESS

1. Review your power plant’s basic design, operating requirements, and installation plans.
2. Identify and interpret applicable C&S, highlighting areas of non-compliance.
3. Recommend basic design options to achieve compliance.

Most of the work occurs during a one-day work session at your site, during which your development team works face-to-face with our C&S expert and an ETS systems engineer. ETS then delivers to you a written report on the output of the work session.

ETS EXPERIENCE AND CAPABILITIES

ETS’ Kelvin Hecht will lead your C&S Compliance Assessment. Kelvin’s C&S credentials are unparalleled...

- Currently, Kelvin chairs the US national committee for stationary fuel cells that is publishing the new CSA FC-1 standard.
- He is also the chairman of the US delegation to the international standards organization, IEC, and he chairs a committee that is promulgating international standards for stationary fuel cells (TC 105).
- Since the 1980's, Kelvin has been active on several fuel cell standards committees, including ANSI, AGA, ASME, IEEE, NFPA, IEC, UL, and CSA.
- As the product assurance manager for the bulk of his 35 years with UTC Fuel Cells, Kelvin was responsible for the reliability and safety of the fuel cells in the Apollo and Shuttle space missions.

- He also led the certification of the PC25 product, contributing to the reliable and safe operation of more than 250 field units.

It is unlikely that anyone in the world knows more than Kelvin Hecht about the regulatory and practical aspects of reliability, safety, and codes and standards for stationary fuel cells.

Equally important is the system, subsystem, and hardware expertise that ETS brings – particularly in affordable commercial products (rather than higher-cost aerospace and military applications).

So joining Kelvin will be the best-suited power plant systems, electrical systems, or components engineer from the ETS team. That individual will provide at least 30 years of hands-on, practical experience in the design, development, and delivery of fuel cell power plants.

Together, the ETS tandem provides you with at least 70 years of combined experience in fuel cell systems, translating into clear and quality advice – and the basis for C&S compliance that is pragmatic and cost-effective.

SERVICE FEE

\$4500, excluding discounted travel time and expense.

This is a limited time offer.

PREVIOUS CUSTOMER COMMENTS

- Ø “...Great, extremely useful to us...Great value...”
- Ø “We hit the nail on the head with this one...”
- Ø “Kelvin was the perfect guy for questions we had...”
- Ø “...Very comfortable with outcome of meeting...”
- Ø “Write-up was very helpful...”

NEXT STEP

Please contact Bob Greene at: 860.633.9824 or green@energytechnologyservices.com .

We appreciate this opportunity to introduce you to the comprehensive experience and capabilities of Energy Technology Services.