



Behzad Nejad

Best Practices for Designing Equipment for Intrinsic Safety-

Understand the challenges of a complex "IS" system and explore the three main components that make up an intrinsic safety system, including:

- a) A(n) intrinsically safe field device(s), the "IS" device(s)
- b) Safety barrier(s), the energy limiting device(s)
- c) Intrinsically safe field wiring which connects the barrier(s) to the field device(s)

Behzad Nejad, P. Eng., is the director and a consulting engineer at Hazcon, Inc., where he provides hazardous location consulting services (IECEX, ATEX, Canadian Electrical Code and National Electrical Code) for manufacturers of electrical products.

He has a Master's degree in Electrical Engineering and has been a member of Professional Engineers Ontario/Canada since 2013.

Behzad's experience in the industry also includes seven years at CSA Group's certification agency. He has published and presented technical articles and tutorials on hazardous locations at several IEEE/PCIC conferences, and is also a part-time instructor at Seneca College, teaching electrical courses since 2014.

