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# CIVIL ENGINEERING ACADEMY PODCAST

Hosted By Isaac Oakeson

## EPISODE 37 - SCOTT DENNEY

Today's episode touches on the relationship between the ever-increasing and fast-paced development of technology and how it may impact the civil engineering world. Isaac sits down to chat with [Scott Denney](#), a professional engineer with a great deal of experience in the construction industry, but who now works as an executive project developer at [Pikus Concrete & Construction](#), a company performing activities in the 3D printing industry.

As for most people that end up going for a bachelor in civil engineering, Scott always liked the construction aspect of things and would build things in the garage. Initially, he thought the architecture would be a good fit, but he ended up getting his bachelor degree in civil engineering from the University of Utah and his MBA from the Arizona State University. He worked for many years in the construction industry before making the transition to the 3D printing division with Pikus.

Technology, like 3D printers, have been around for many years, but professionals and people in general were not certain about its effective use. But now, Pikus has pioneered, we may say, this aspect and, although the company may still be in its "startup phase", as Scott put it, it really seems a technology that came to stay and to make a huge difference on how things get built, from customer goods to civil-engineering-related structures.

Scott shares some tips based on real-life experiences he has had while working in the construction industry as well as in this "new-born" segment of 3D printing. Scott mentions that the best trait an aspiring engineer can have is thinking outside the box. *"You're not going to be able to find a code for every situation to kind of spell out how you need to approach it and what you need to do. And so, engineering judgment, seeing the intent of the code and safely working within that intent, I think is a huge, valuable skill that can solve a lot of problems and move things forward."*

In addition to many other career-related tips and predictions on the field's future, given the development of technology, Scott also mentions how he prepared for the PE exam. He took a PE Review course to sort of refresh his mind and get in touch with the topics that he hasn't had contact with during the years he was working on job sites. And, as a go-to resource, he suggests the Civil Engineering Reference Manual for the PE Exam, or CERM for some, a book prepared by PPI, which you can get with a 15% discount by going to the link [www.civilengineeringacademy/ppi](http://www.civilengineeringacademy/ppi) and using the code CIVAC. This manual is a must-have resource for those who want to take the PE exam.

Don't forget to listen to the episode in order to get much more insights and tips from a conversation between two civil engineers with a great deal of experience and learning to pass on to the next generations. Reach out to Scott at [smdenney@gmail.com](mailto:smdenney@gmail.com), and get in touch with Isaac at [isaac@civilengineeringacademy.com](mailto:isaac@civilengineeringacademy.com).

## RESOURCES MENTIONED

[5 Best Resources for the Civil FE Exam](#) - If you're ready to start studying for the civil FE exam then grab this FREE copy. We scoured the internet so you wouldn't have to. Simply sign up and you'll receive it right in your inbox!

[PPI](#) - PPI is our partner to help you ace your FE and PE exams. Use our discount code of CIVAC and our link to get 15% off any book you order.

[CEA Community](#) - Haven't joined up on our free community? What's wrong with you? J/K. Ok, just go there and join a group of like-minded civil engineers!

[Civil Engineering Academy](#) - If you need exams, solved problems or courses make sure to check out our home base;

[Ultimate Civil PE Review Course](#) - Check out Civil Engineering Academy PE Review course if you need a refresher on PE-related content.

[Pikus Concrete & Construction](#) - Visit Scott's company's website and check out their innovative work, which may revolutionize the field as a whole.

[Pencils of Promise](#) - A non-profit organization that builds schools and increases educational opportunities in the developing world

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