

## CAREER PROFILE

# CAD DESIGNER



**Name:** Rob McKellep  
**Employer:** AREVA Resources Canada  
**Education:** CAD/CAM Engineering Diploma

**DETAILS OF THE JOB:** During the first 11 years of his career, Rob's work involved mechanical and civil drafting/design; however he was always interested in learning other engineering disciplines. As a Designer he has been able to do this through the company's training and mentoring opportunities. He now has a deeper knowledge in disciplines such as electrical, structural and instrumentation.

Rob now has a lead designer role in various projects for which he provides technical support and also reviews drawings and documentation prepared by other designers and drafters.

"Really, my favorite part of the job is making 3D models of new designs and providing virtual walk-throughs before the design is even constructed." states Rob.

**A TYPICAL DAY:** Rob spends most of his time in the engineering department in Saskatoon but from time to time he is required to fly to the company's mine sites in northern Saskatchewan to review the uranium mill's existing or new construction as-built designs.

### SKILLS NEEDED:

- Good problem solving skills
- Keen attention to details
- Current and proficient knowledge and use of CAD software

**COMMENT:** As a child Rob loved using computers and was also very curious about how different things worked. He often took things apart to see how they were put together. His inquiring nature carried through to adulthood, leading him to learn carpentry, electrical and plumbing skills on his own. "It was rewarding to plan and design something; then see the finished product" recalls Rob. He decided to take the CAD/CAM Program, as it combined both his interests in computers and design.

**WHERE CAN I GO TO GET AN EDUCATION?** Saskatchewan Polytechnic

**HELPFUL HIGH SCHOOL COURSES:** Drafting and Computer Aided Design 10/20/30, Pre-Calculus 30, Physics 30

**NOC: 2253**