Finding the engineering talent you need to succeed

A wave of retirements is expected to challenge manufacturers, causing the following percentage of firms to face:

- Reduced revenue opportunities: 46%
- Increased product costs: 48%
- Reduced design efficiency: 42%

98% of companies say their business will suffer if they can’t hire the right engineers.

Making strong hires will be key

- 95% of manufacturing engineers indicate hiring will be critical to success.
- 69% of companies project that their engineering departments will need to grow over the next decade.
- 63% of employers report difficulty finding engineers with the right skills.
- 50% of companies expect the loss of expertise to be painful as they begin to rely on new engineers.

Adapting to the changing mix of engineering disciplines

- 70% of top performers expect the balance of engineering disciplines to continue to change.
- Engineers who have worked on multidisciplinary teams will be better prepared to work on product development teams.

Getting new grads up to speed

- 81% of employers think students are only somewhat prepared or need significant training to use engineering software.
- 75% of companies want students to be able to apply technology to solve problems.
- Companies find students are not well prepared for problem solving (40%) and manufacturability (52%).

Sample recommendations

- Develop the right mix of engineering talent
- Hire from programs that emphasize applying technology to solve problems
- Work with schools to help them develop a relevant curriculum
- Work with programs that emphasize team-based projects

(Source for this entire infographic: “Close the Engineering Skills Gap: Prepare New Graduates to be Real-World Ready,” Tech-Clarity, Inc., 2017. Percentages quoted represent the answers of 201 manufacturers who responded to the Tech-Clarity survey.)

To learn more about the changing landscape of engineering, please go to: www.siemens.com/plm/techclaritywp