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**ANNUAL CONFERENCE
ON U.S.-TURKEY RELATIONS**

MAY 21-23, 2017 • TRUMP INT'L HOTEL, WASHINGTON DC

**TOGETHER TOWARDS TOMORROW:
EMPOWERING BUSINESS THROUGH PARTNERSHIPS**

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R&D/INNOVATION ADDITIVE MANUFACTURING: ITS IMPACT ON THE FUTURE OF MAKING THINGS

MODERATOR: Banu Onaral, *H.H. Sun Professor, Drexel University*

PANELISTS: Canan Özsoy, *President & CEO, GE Turkey*; Volkan Emre, *Co-Founder & CEO, Pergatech*; İhsan Elgin, *Founder, Core Strateji*

Additive manufacturing, or 3-D printing, has and will continue to change traditional business models in a variety of sectors. However, rather than clashing with traditional manufacturing, additive manufacturing (AM) enhances traditional production by producing different components with high complexity in small quantities. It provides the opportunity to create jobs that unlock human potential and develop skills that are transferable from sector to sector. AM application is limitless and is used to create end-use products for a variety of industries including: aerospace, construction, healthcare, automotive, and even fashion and art.

KEY TAKEAWAYS

- **Benefits of additive manufacturing:** Additive manufacturing makes it possible to produce goods with geometries that were not possible in previous forms of manufacturing. Instead of having to mesh many different design and parts together, a single design can be printed that combines them. Additive manufacturing makes cheaper, efficient, and lighter products.
- **How to promote growth:** In additive manufacturing, technology moves rapidly so companies and countries need to be constantly innovating or they will fall behind. Governments should create programs, such as innovation labs and grants, to provide people with opportunities to design products. This is the most effective way to learn and gain experience, which can be transferred from one area of additive manufacturing to another.
- **Changing the future of jobs:** Many people worry that advances in technology will drive people out of work. However, the reality is that additive manufacturing will **unlock more human potential**. Blue collar jobs may decrease, but there will be an increase in “new collar” jobs in which people perform thought-heavy work that cannot be automated.
- Turkey has a strong base of workforce and factories for additive manufacturing, but they need to continue to innovate and advance or else they will be passed by other countries. Turkish education needs more application, rather than being theoretical.

KEY QUOTES

- **Canan Özsoy**-“Additive manufacturing and other similar technologies are reigniting productivity and growth.”
- **Banu Onaral**-“With the help of technology supporting us, enabling us, augmenting us, we will be able to engage in what humans should do and not the work that can be automated...the age of the mind is upon us.”



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