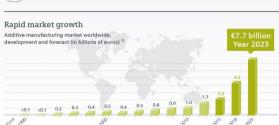
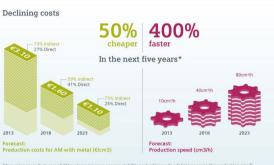
# Additive Manufacturing

Additive manufacturing (AM) refers to a production process in which components are created layer by layer on the basis of digital 3D design data."

#### How additive manufacturing works







### Areas of application

#### Rapid Prototyping



### Production of spare parts

Using additive manufacturing reduces repair times and avoids costly warehousing. Siemens is already using the technique to repair the burner tips of small gas turbines.







#### **Manufacturing End Products**



Customized unique items Siemens uses AM to creat In-The-Ear hearing aids, fo example. Such hearing aid individually adapted to the wearer's auditory canal.





## Very compl workpieces

#### Trend: From Rapid Prototyping to (Series) Production



End products' share of the total income from AM products and services 3)



Production readiness level 2)