



ORGALIME

Digital transformation of European industry



42 member associations -24 countries

Representing €1,800 billion of annual output, >10,3 million people employed

ORGALIME National Associations

Austria
FEEI
FMMI



Belgium
AGORIA



Bulgaria
BASSEL



Croatia
Croatian Chamber of
Economy
HUP



Denmark
DI



Finland
Federation of Finnish
Technology Industries



France
FIEEC
FIM



Germany
VDMA
WSM
ZVEI



Great Britain
BEAMA
EAMA
GAMBICA



Hungary
MAGEOSZ



Ireland
IEEF



Italy
ANIE
ANIMA



Latvia
MASOC



Lithuania
LINPRA



Luxembourg
ILTM



The Netherlands
FME
METAALUNIE



Norway
Norsk Industri



Poland
PIGE



Portugal
AIMMAP
ANEME



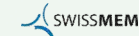
Slovenia
GZS-MPIA



Spain
SERCOBE



Switzerland
SWISSMEM



Sweden
TEKNIKFÖRETAGEN



Associate members

Turkey
MAKFED



Sector Associations

AFECOR



CEIR



EFCEM



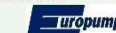
EGMF



EURALARM



EUROPUMP



FEM



PNEUROP

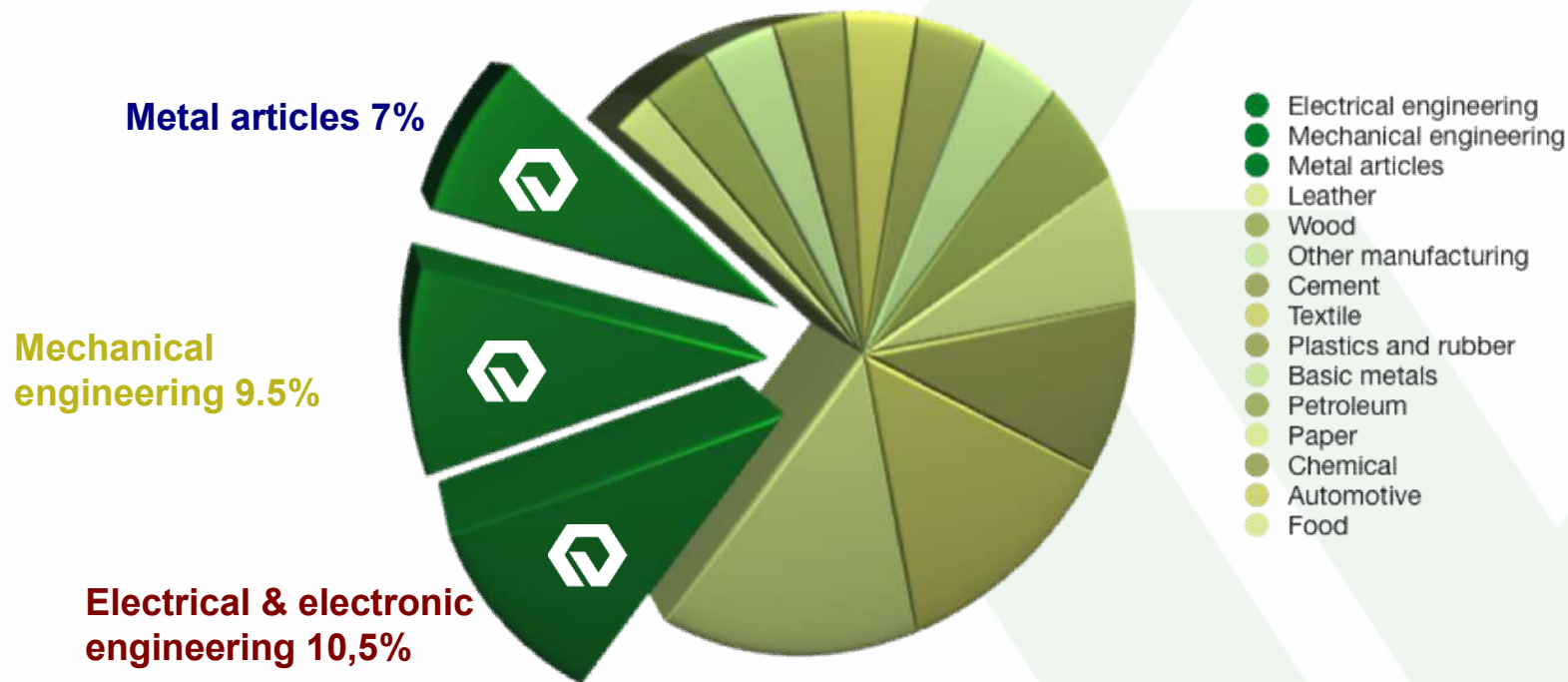


The European Engineering Industries Association



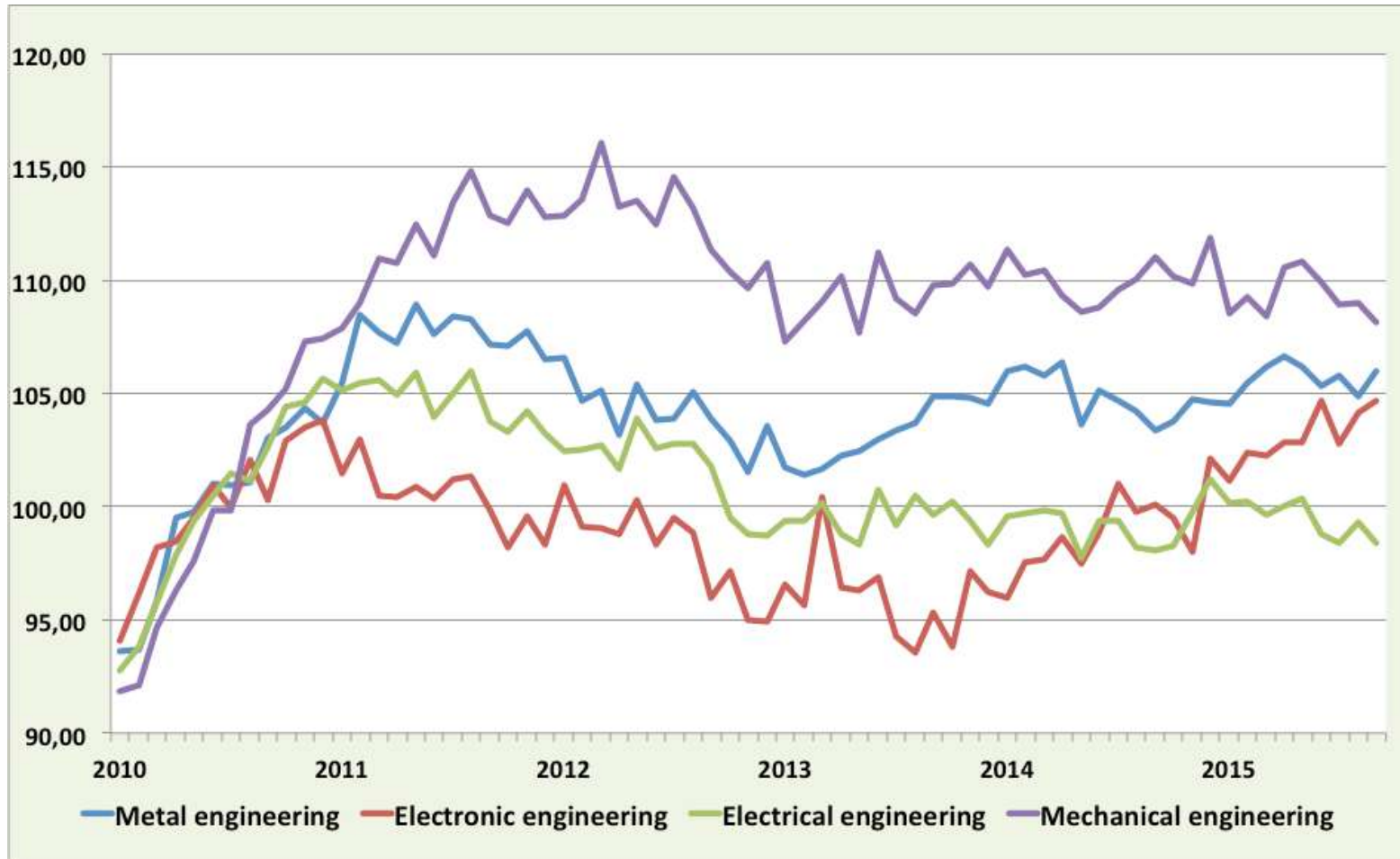
Orgalime industry

- Orgalime as the voice of European engineering represents 3 industrial branches that manufacture some 27% of EU total output





Production in Orgalime industry sectors (2010 – 2015)



Source: Eurostat Monthly data 2010=100

The European Engineering Industries Association



Outlook Orgalime industry (Turnover growth)

Sector / year	2014	2015	2016
Mechanical engineering	2.1	0.7	1.0
Electronic and electrical engineering, ICT	1.5	1.8	0.8
Fabricated metal goods	1.2	1.5	1.6
Total Orgalime industry	1.7	1.2	1.1
<i>Employment (total)</i>	<i>0.3</i>	<i>-0.2</i>	<i>0.2</i>



Digitalisation & Manufacturing For business

- Internal plant productivity
 - Better utilisation of capacity
 - Energy efficiency
 - Overall resource efficiency
- New business models – customer focused products and services
- Preventive and predictive maintenance
- Precision farming – precision snow production
- Optimisation of production and down times
- Markets: for example energy and medical



Digitalisation and Manufacturing And public policy?

- Digitalisation of the economy or of manufacturing?
- EU support:
 - Infrastructures: Juncker plan
 - R&D and innovation: public private partnerships such as Factories of the Future, Big Data, 5G., and regional funds
- Policy work:
 - Big Data Communication
 - Digital Single Market
 - Single Market strategy
- Regulation:
 - Data Protection Regulation
 - NIS Directive



Digitalisation and Manufacturing And Orgalime (net)work?

- Policy work on the so-called Digital Single Market and Single Market strategies
- Input to policy makers on specific issues:
 - Standards for industry by industry – such as Wi-Fi
 - Physical Infrastructure
- Internal work on
 - Cybersecurity and data protection
 - Data access, right to use and ownership in B2B
- Promoting the use of digital technologies as a key booster for manufacturing in different policy areas
- R&D: providing input to the Factories of the Future PPP through EFFRA.EU



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