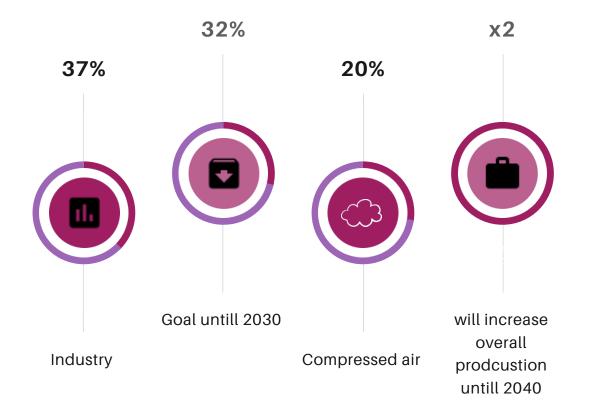
WHY EFFICIENCY OF COMPRESSED AIR SYSTEMS?

WHY IS IT IMPORTANT?

ENERGY POLICIES AND GOALS

Energy Forum Framework 2030



NEW GREEN DEAL

Industrial decaronization until 2050

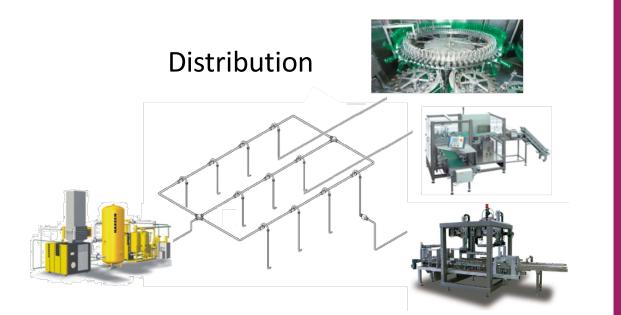
NEUTRALITY



Industrial energy consumption

20%

Consumes compressed air systems



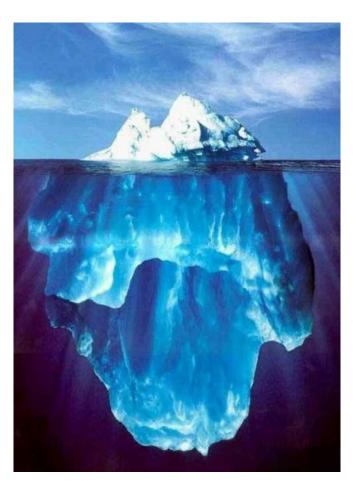
Compressor

Production machines

40%

Savings due to Audits and Maintenance

70% Savings due to efficient design



40%

Savings due to Audits and Maintenance

70%

Savings due to efficient design



Component suppliers



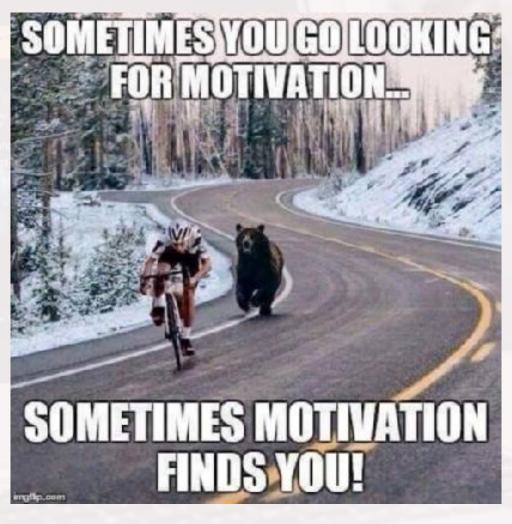
How to **motivate** to reduce energy consumption of CAS?



Machine builders



Standards, Guideline, Frameworks

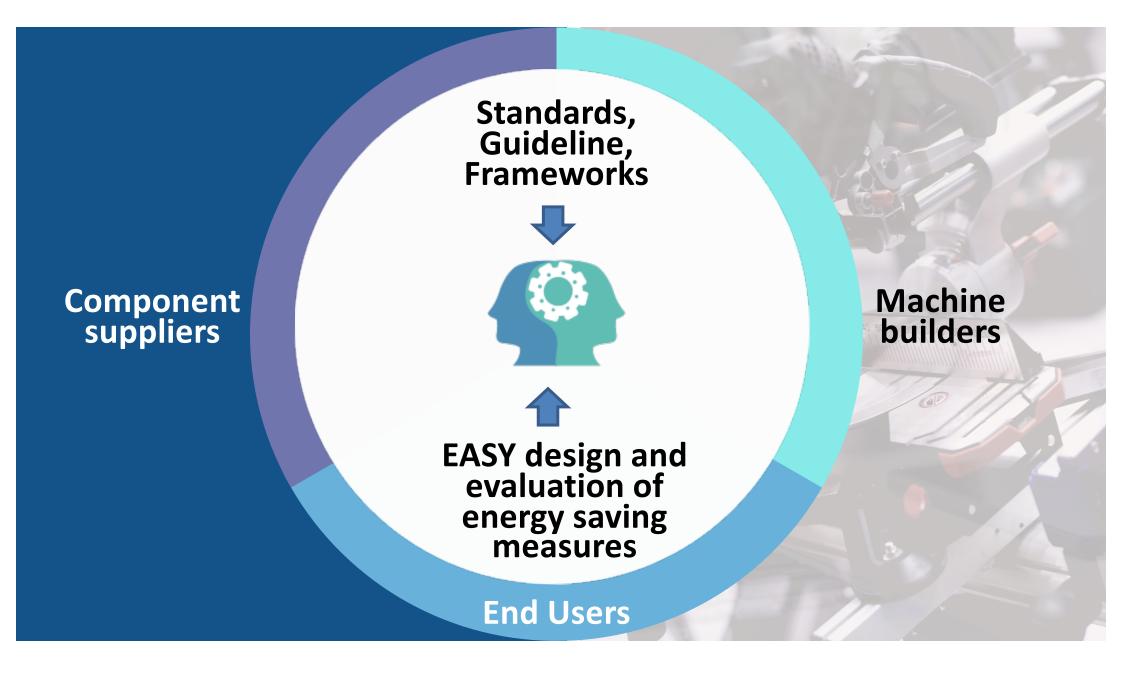


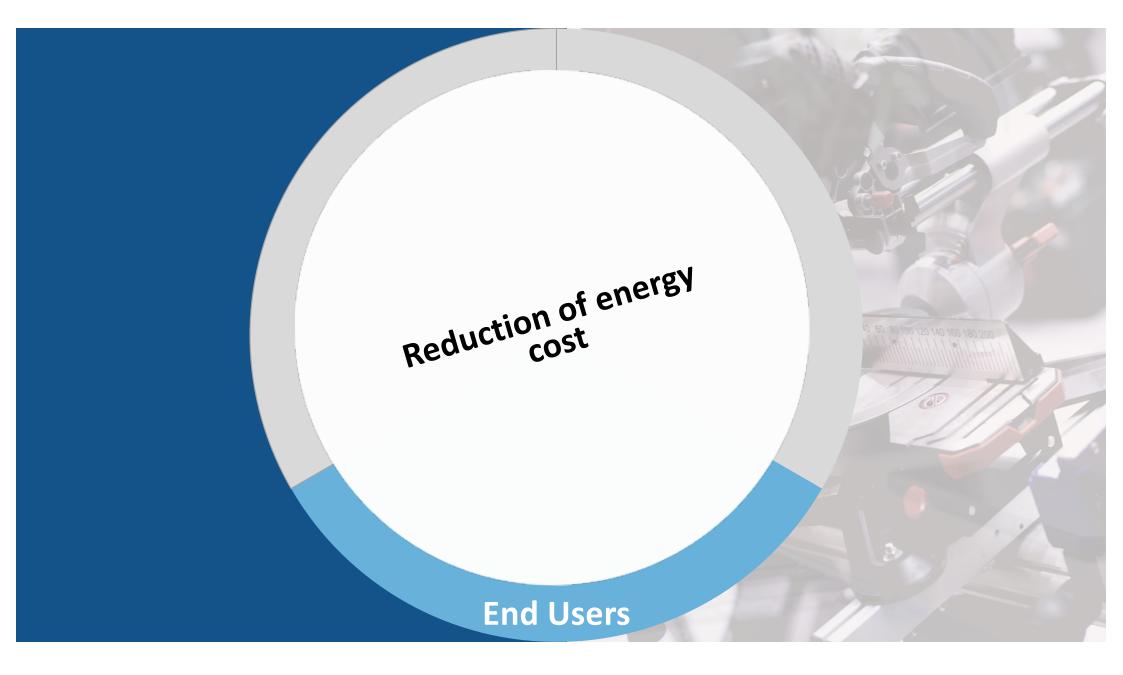
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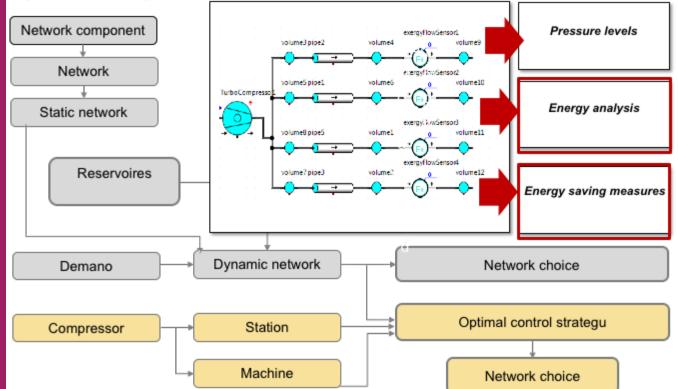




Up to 30% of energy saving potential due to the design of distribution network

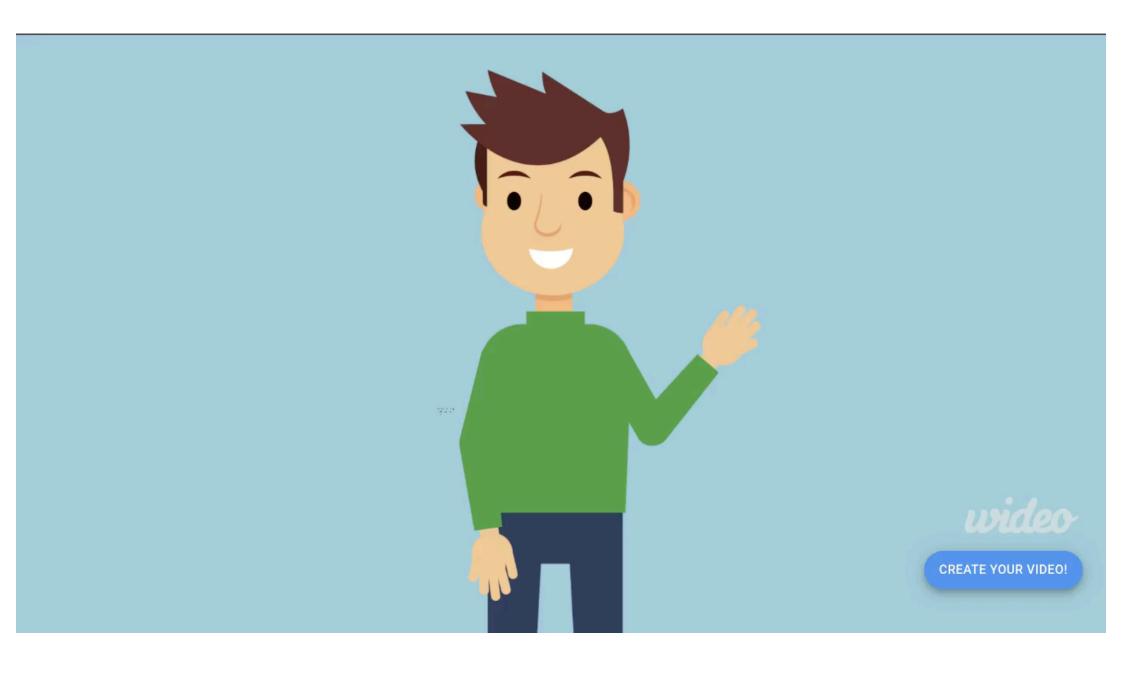
Software for condition monitoring to avoid pressure loss and high energy consumption

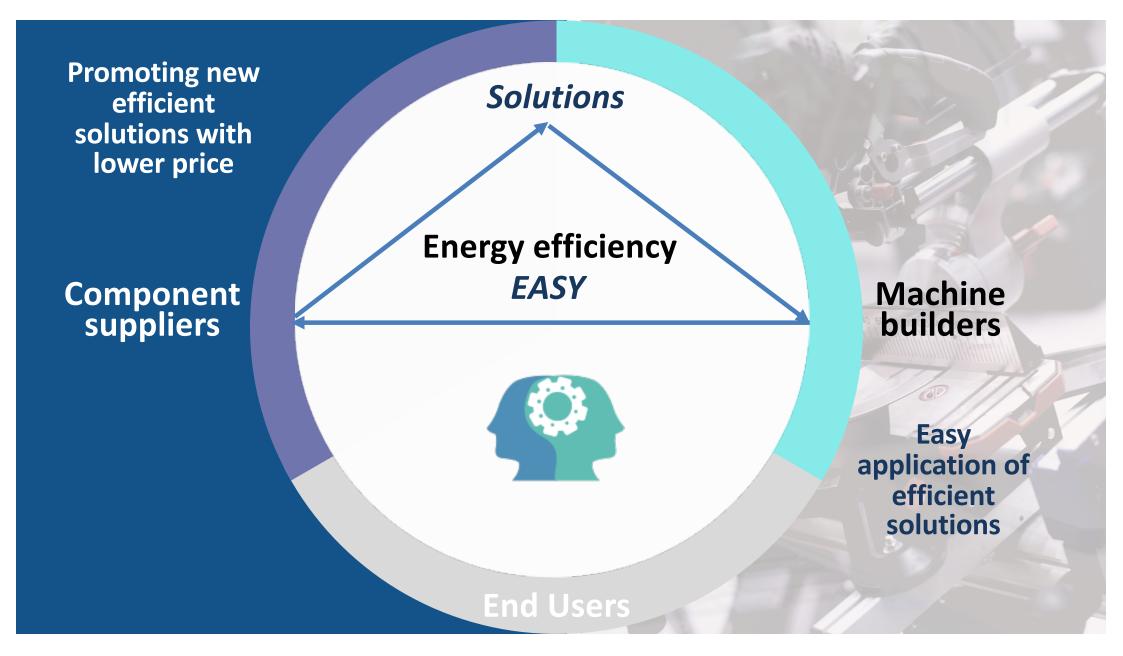
System modelling



Calcualtion of pressure drops using the ISO Stnadard 6348-3 provides a comprehensive information for system optimization.

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Application	Application		
Horizontal V Stroke (mm) 500	Function		
Function	Operational data		
without guide	Conomic parameters		
\bigcirc with quide p_s p_b p_b p_s p_s	Calculate>		
Mass of moving parts (kg)			
Supply pressure (bar) 6			
Effective load (N) 300 100			
Dynamic load (N) 6 0			
Stroke time (s) 0.5 0.5			
Tube length (m) 2 2			
Material of tube Polyamide Draw			
• 5afae4423cwebm			Show All X





Energy efficiency is easy

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