



BEST PRACTICES OF IMPLEMENTATION OF ENERGY EFFICIENCY MEASURES IN INDUSTRY

Machinery (NACE 25-28) – “BEST PRACTICE” n° 15

Title: <i>Integrated control system</i>
Sector <i>Machinery (25-28)</i>
Process <i>Machinery</i>
Sub-Process (Phase) <i>Cross cutting technologies</i>
<p>EE Measure description</p> <p>A neural network system is an example of an integrated control system. The information of the sensors is used in control systems to adapt the process conditions, based on artificial intelligence, mathematical (“rule”-based) or neural networks and “fuzzy logic” models of the industrial process.</p>
<p>Estimated savings</p> <p>2030 Technical Potential: 766 kTOE/a</p> <p>2050 Technical Potential: 706 kTOE/a</p> <p>% of total sector technical potential (2030/2050): 14.4%/ 14.6%</p>
<p>Reference list</p> <ul style="list-style-type: none"> • <i>Study on energy efficiency and energy saving potential in industry and on possible policy mechanisms</i>, ICF International, 2015