

## OEE – Overall Equipment effectiveness

One equipment 100% efficient should produce 100% of the time available, 100% in the designed parameters, and 100% conform parts with the specifications.

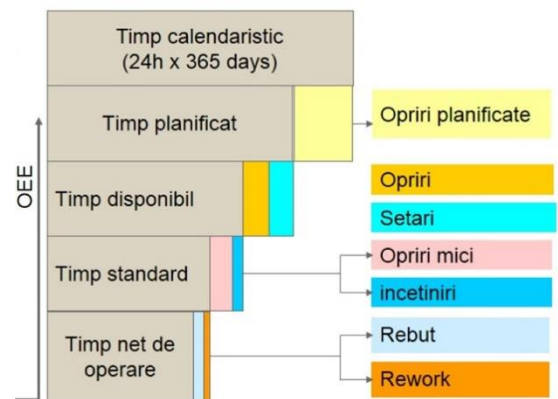
To measure that there is an indicator called OEE, which is an indicator of performance equipment, which follows the overall effectiveness of the equipment. To calculate OEE, will take into account the availability of equipment, equipment performance and quality process results.

Not in all cases of equipment, this indicator can be applied. Must be considered the financial contribution of equipment in the process, the value added to the product or process.

❖ **Availability** is the percentage of working time available in which the equipment is effective used. This time can be influenced by management decisions such as the number of shifts, planned stops .

❖ **Equipment performance** can be affected by small issues of process interruption, slowdowns or speed changes, various stops for quality issues, etc.

❖ **Quality** is the percentage of good parts delivered by the equipment from total parts produced .



OEE through the three indicators followed, give the possibility to analyze separated the problems and to act with LEAN tools to solve them, resulting a performance improvement.

