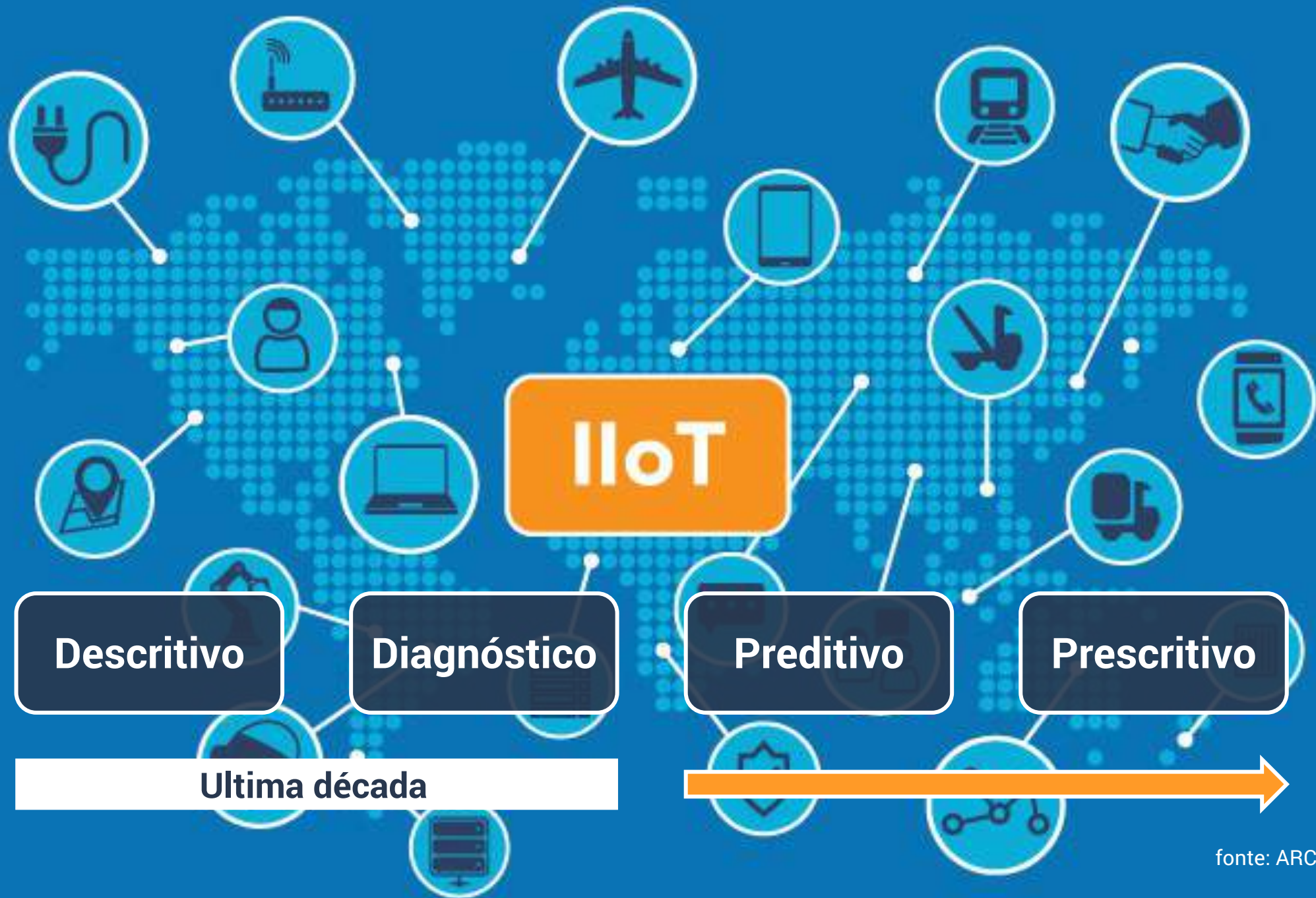


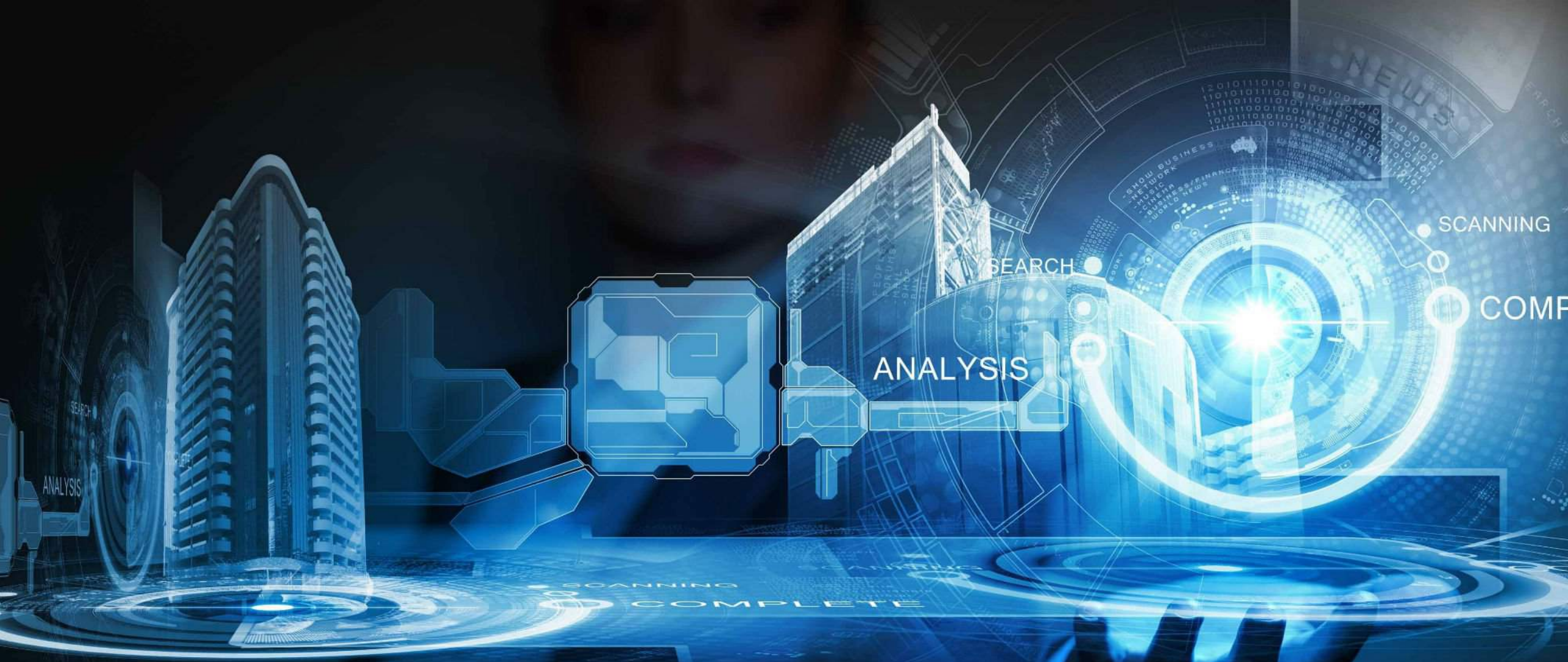
# Impacto de pequenas variáveis de processo na produtividade de uma indústria de grande porte

Rafael C. D. Costa, CEO



**VIRTURIAN**





**Manutenção  
Preditiva**

**PLM**

**Desempenho**



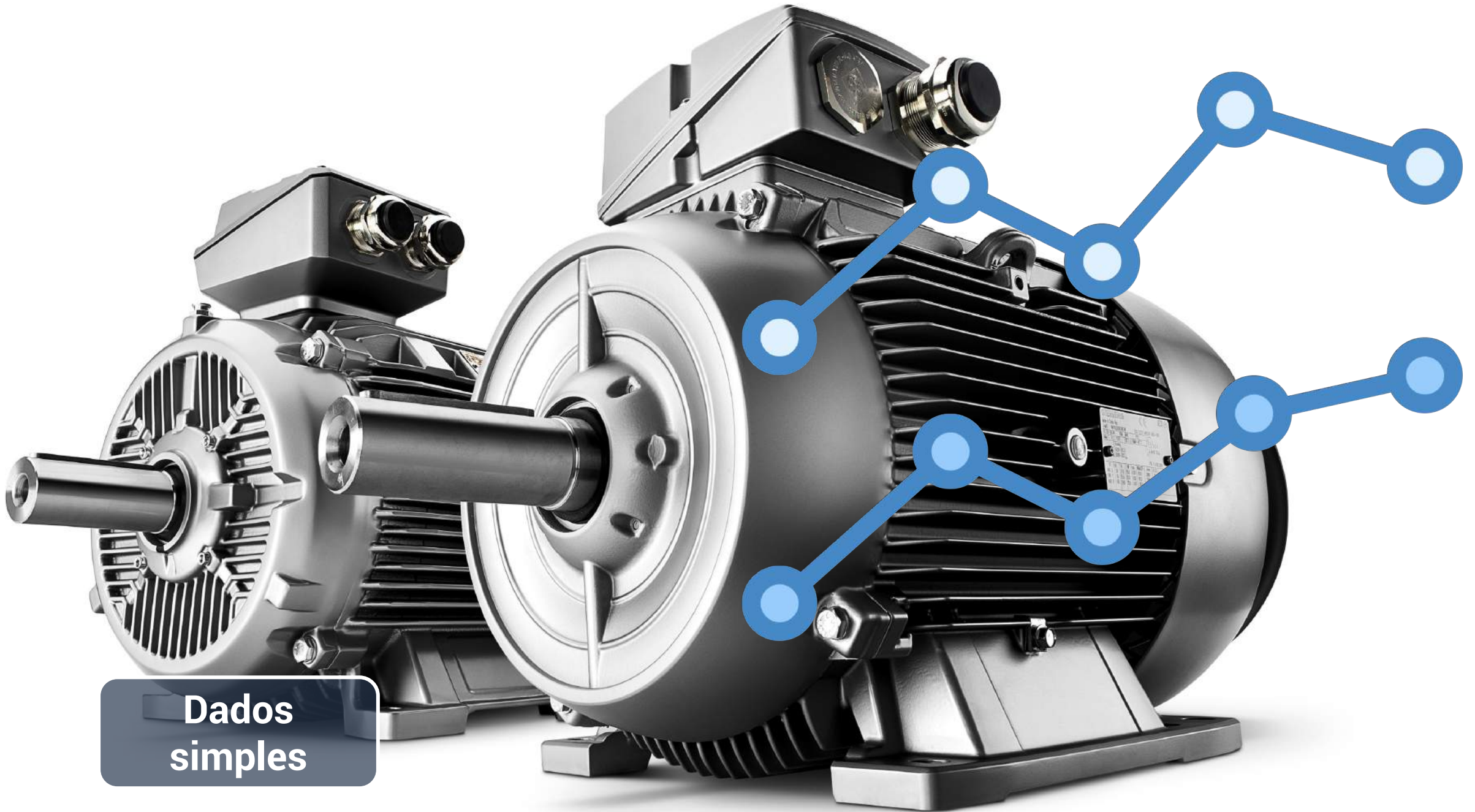
OEM

Machine  
Learning

Ciber-física



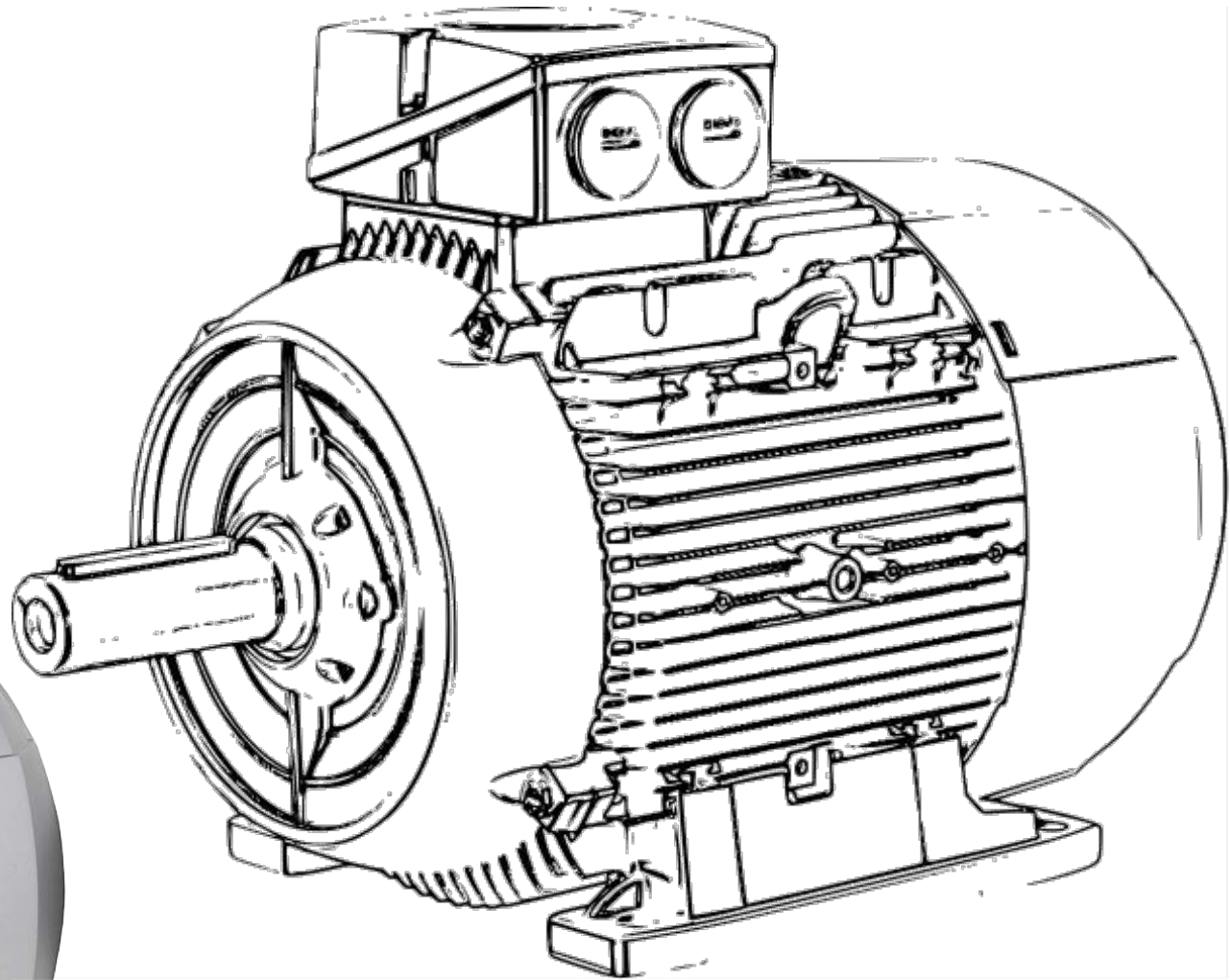
**ambeev**



**Dados  
simples**



# BIG DATA



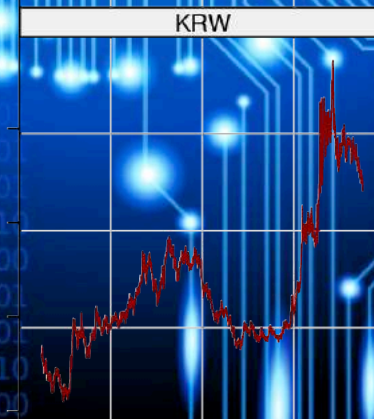
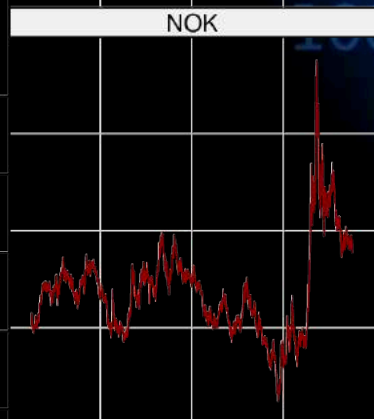
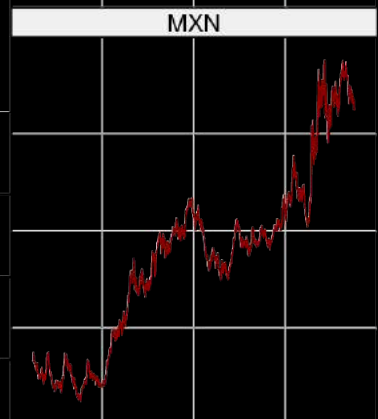
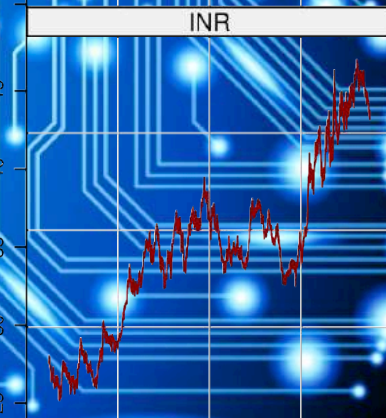
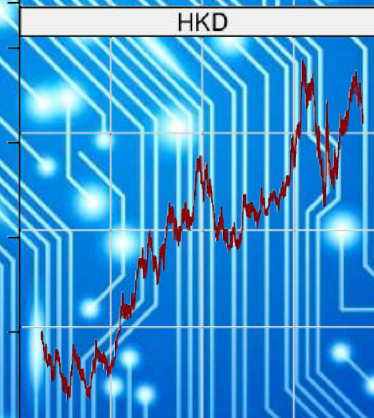
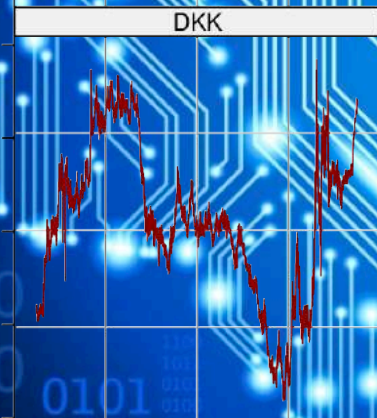
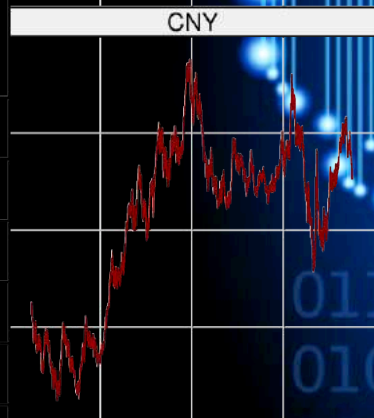
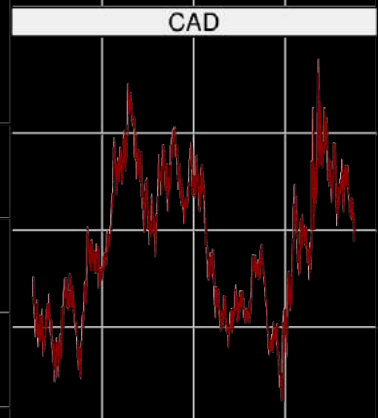
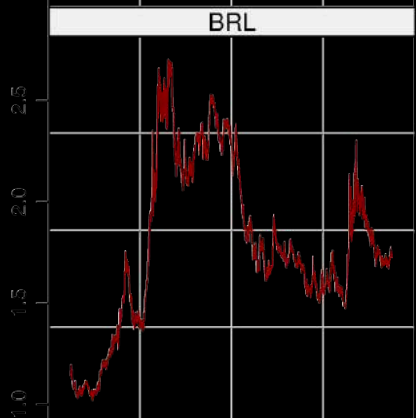
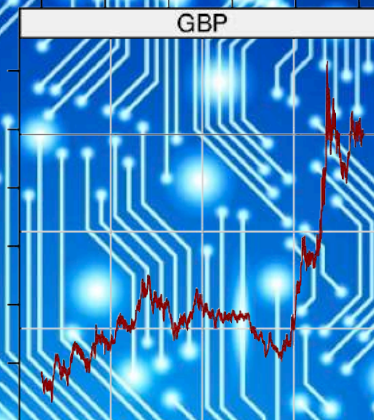
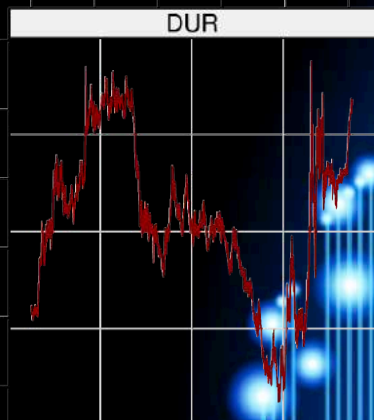
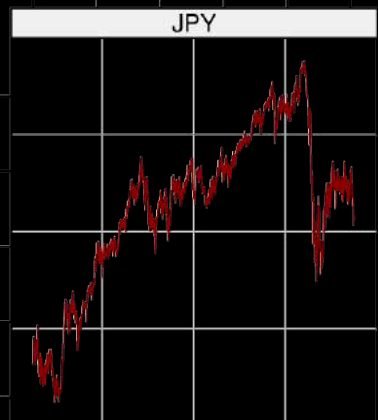
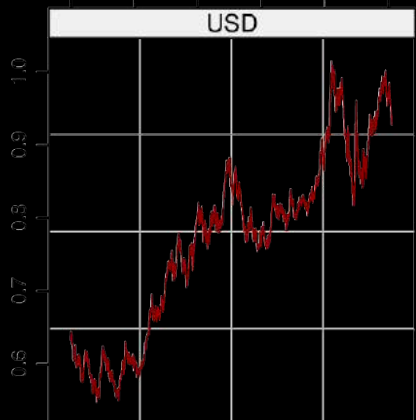
Ciber-física



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2000 2002 2004 2006 2008 2010



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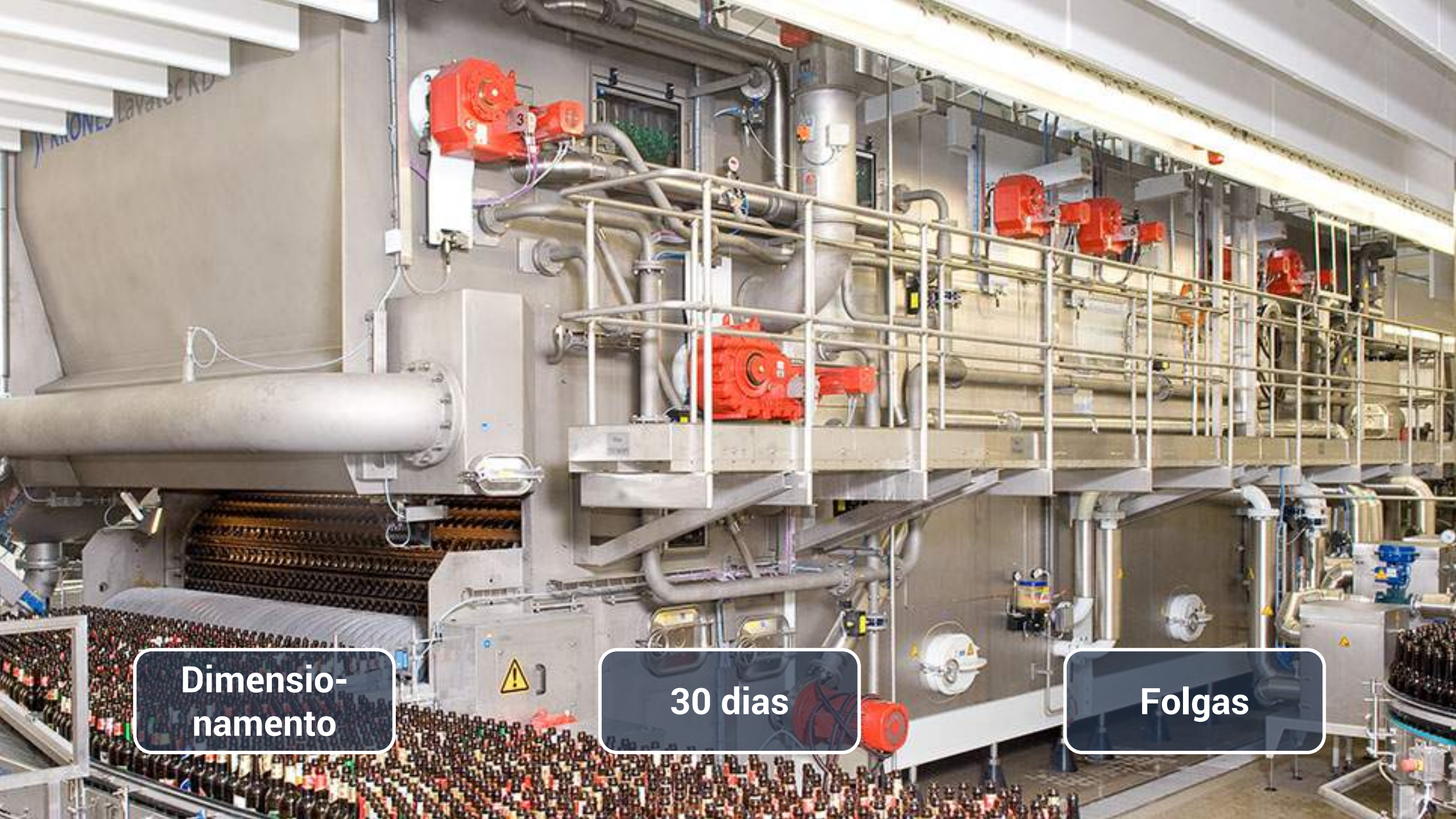
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Time



**Integração**

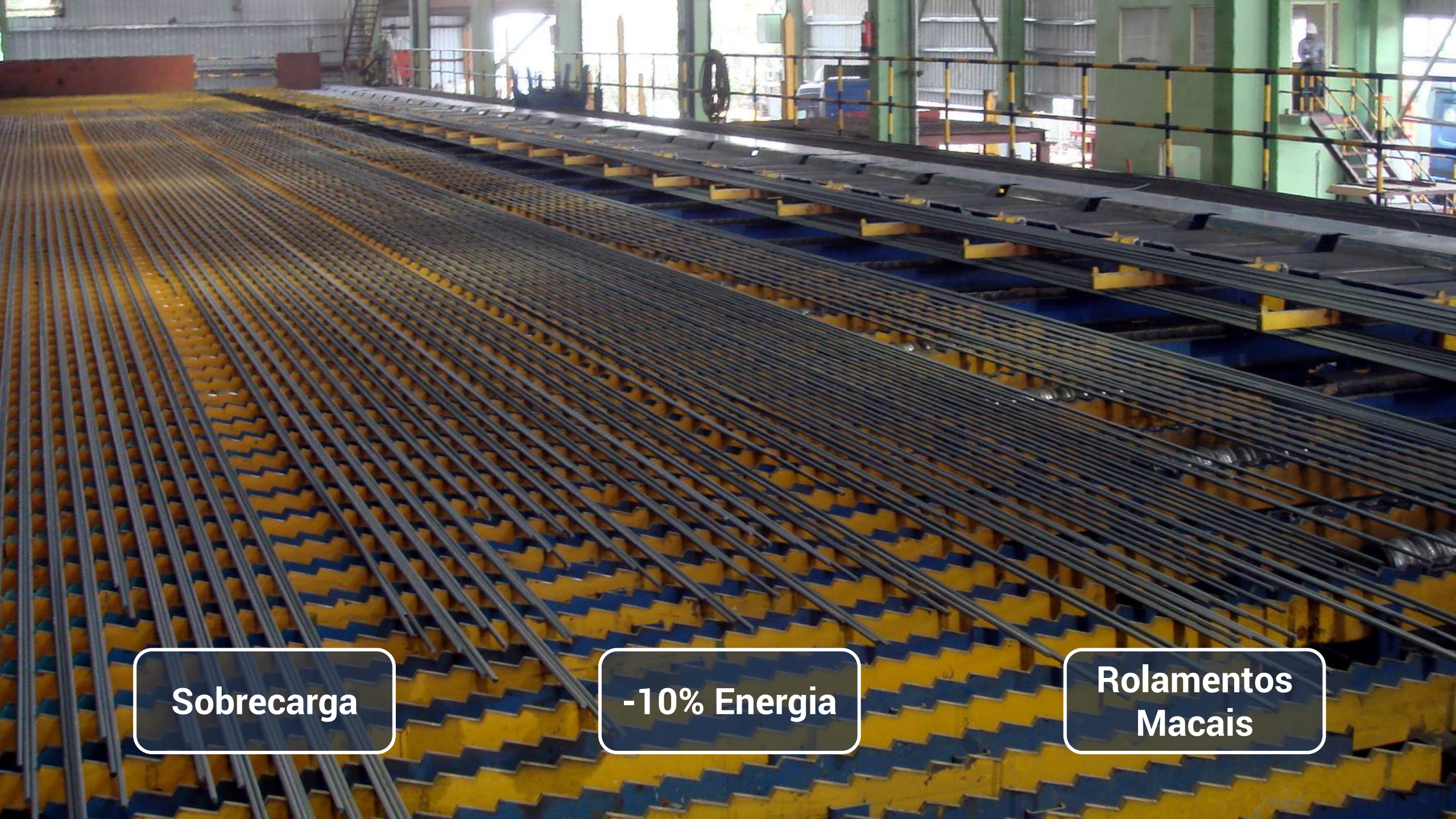


**Dimensio-  
namento**

**30 dias**

**Folgas**





**Sobrecarga**

**-10% Energia**

**Rolamentos  
Macais**

**OBRIGADO!**

**João**

**Marinheiro**



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