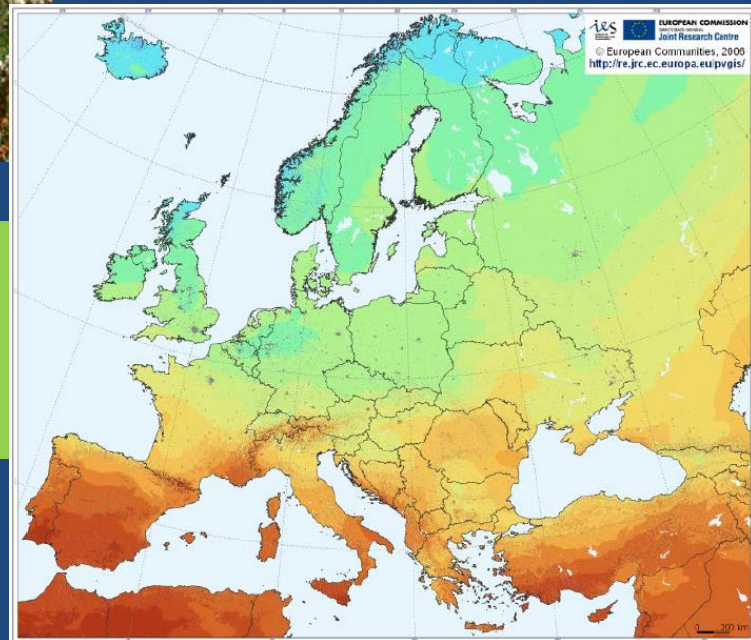


# 如何节能？

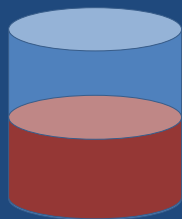


2010 前，生产太阳能组件所耗的能源比其安装后所发电量还多

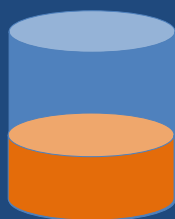
2015, 晶体光伏能源回收期 (EPBT) 依据辐射和其他因数已下降到一(橙色)至两(浅绿)年。



EPBT 之后的 28 年使用期内，一套可满足家庭平均一半电力消耗的光伏系统，可**减少**...



...1/2吨  
二氧化硫

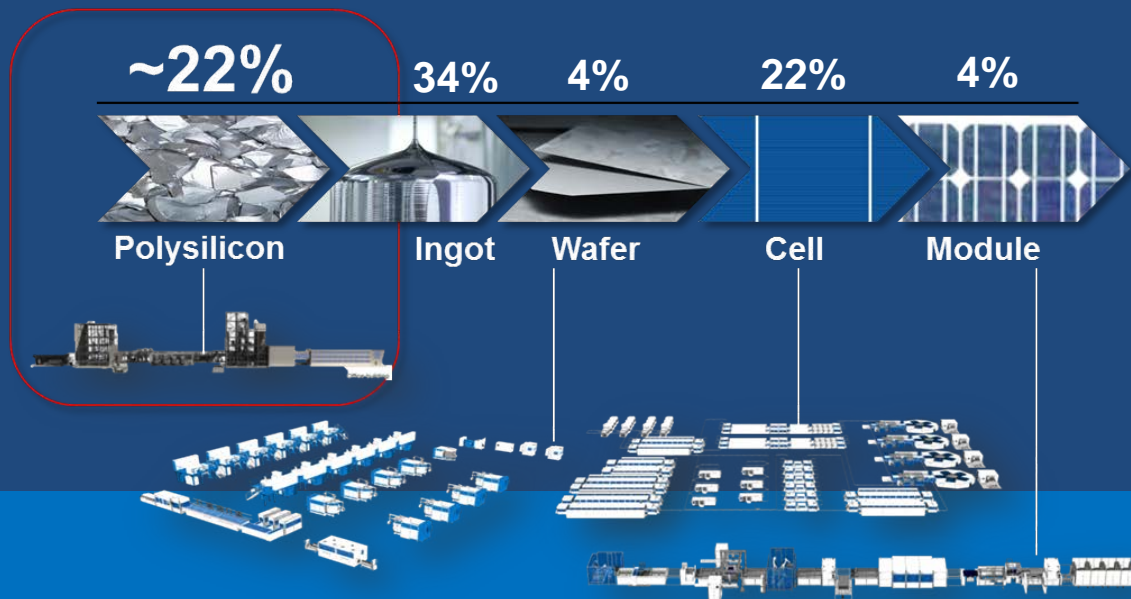


...1/3吨  
氮氧化物

...此期间2辆汽车运行  
排放的二氧化碳



# 如何进一步提高光伏工艺 能效?



多晶硅制备是晶体光伏价值链中第二能耗生产步骤（排铸锭后）。  
BOS材料潜力几乎耗尽，没有未来创新空间。仅有**太阳能电池效率**方面，尚有较多提升质量和减少能耗的潜力。

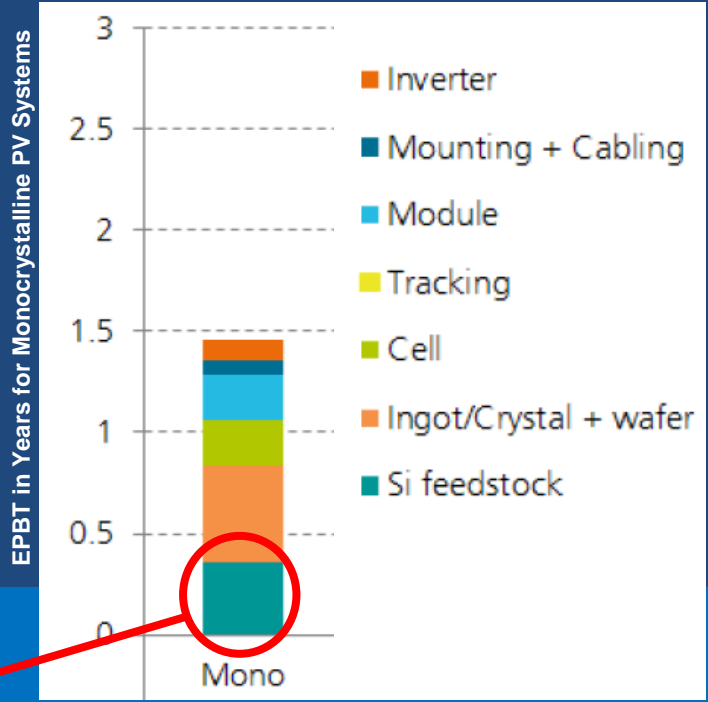
太阳能电池效率 ...



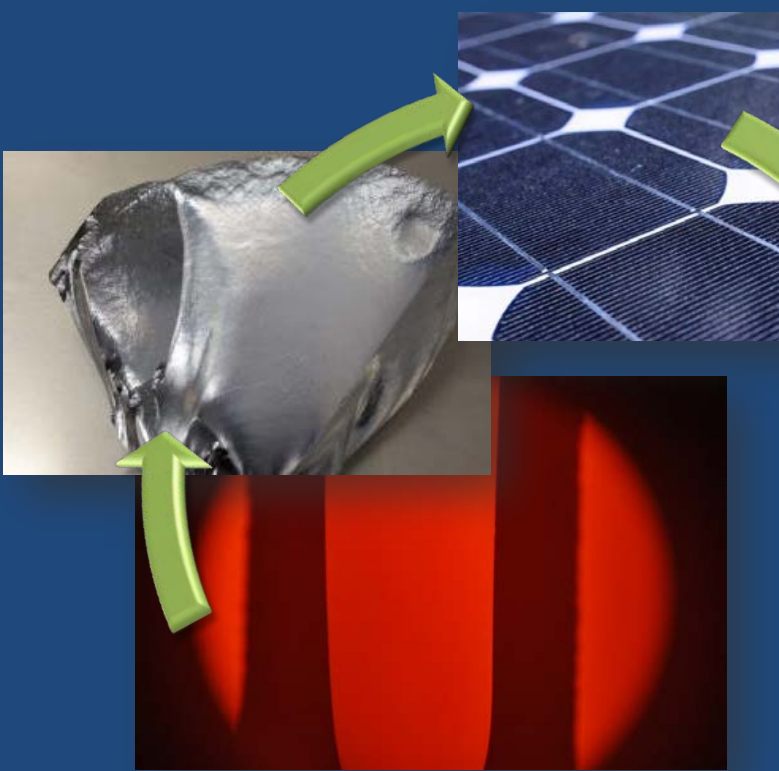
... 始于多晶硅质量



多晶硅占至¼ 光伏能源回收期。  
 先进的多晶硅提纯技术可提升质量，降低能强，减少多晶硅生产成本。



较大提升潜力



想要 **触动**

你工艺能效吗?

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## References

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## Photographs

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