



VIRTUAL

Mexico's Manufacturing Supply Chain Summit

Webinars • Virtual B2B Meetings



MEXICO *NOW*

WEBINARS

Industry 4.0: Is Mexico Up to the Challenge?

Ramiro Villeda, Ph.D., P.Eng., CPIM, SSBB

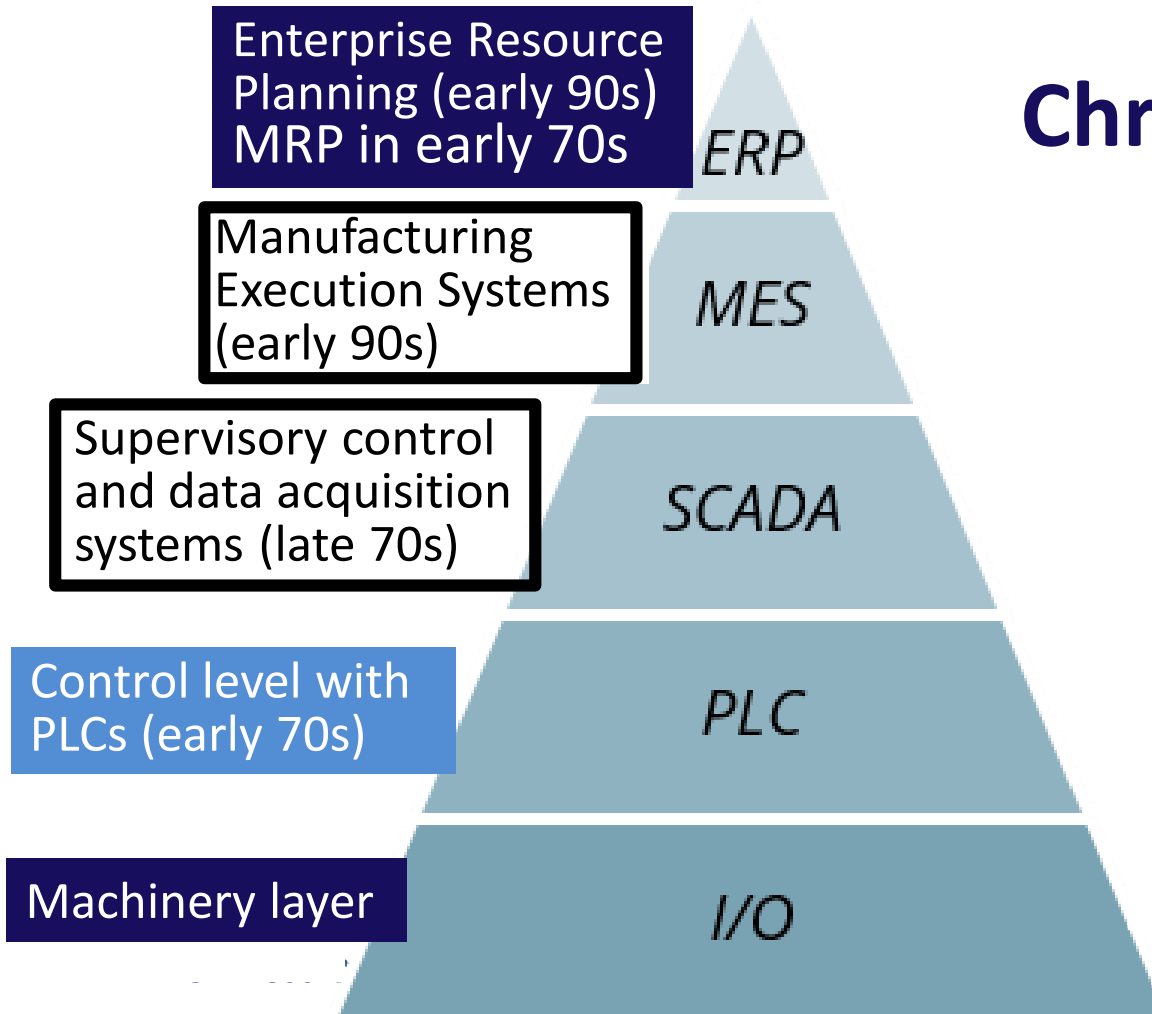
MexicoNow
Manufacturing Supply Chain Summit

October 6, 2020

Today

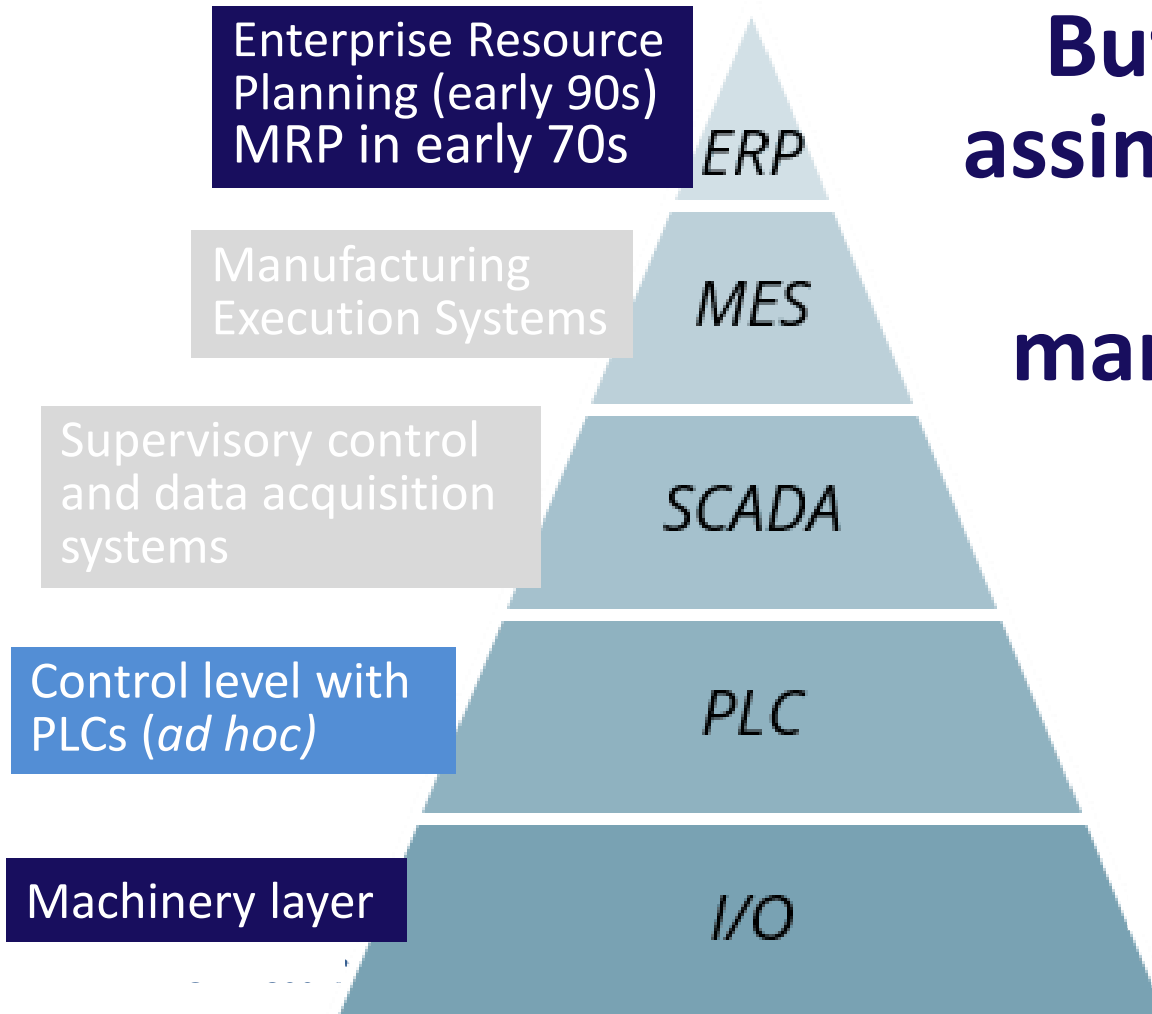
5-layer architecture

Chronological development...



Today

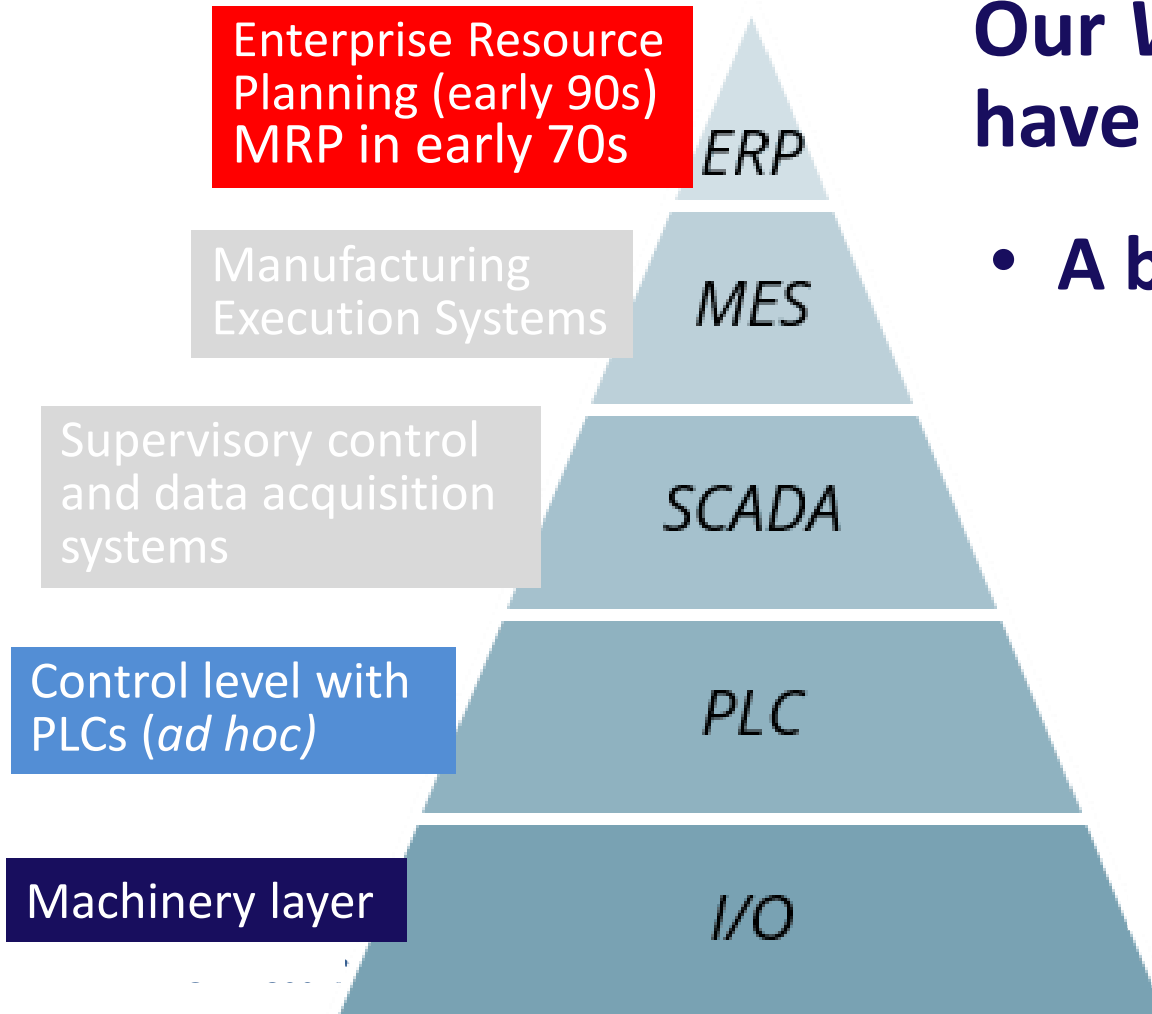
5-layer architecture



But the implementation and assimilation process followed by many North American manufacturing companies has been...

Today

5-layer architecture

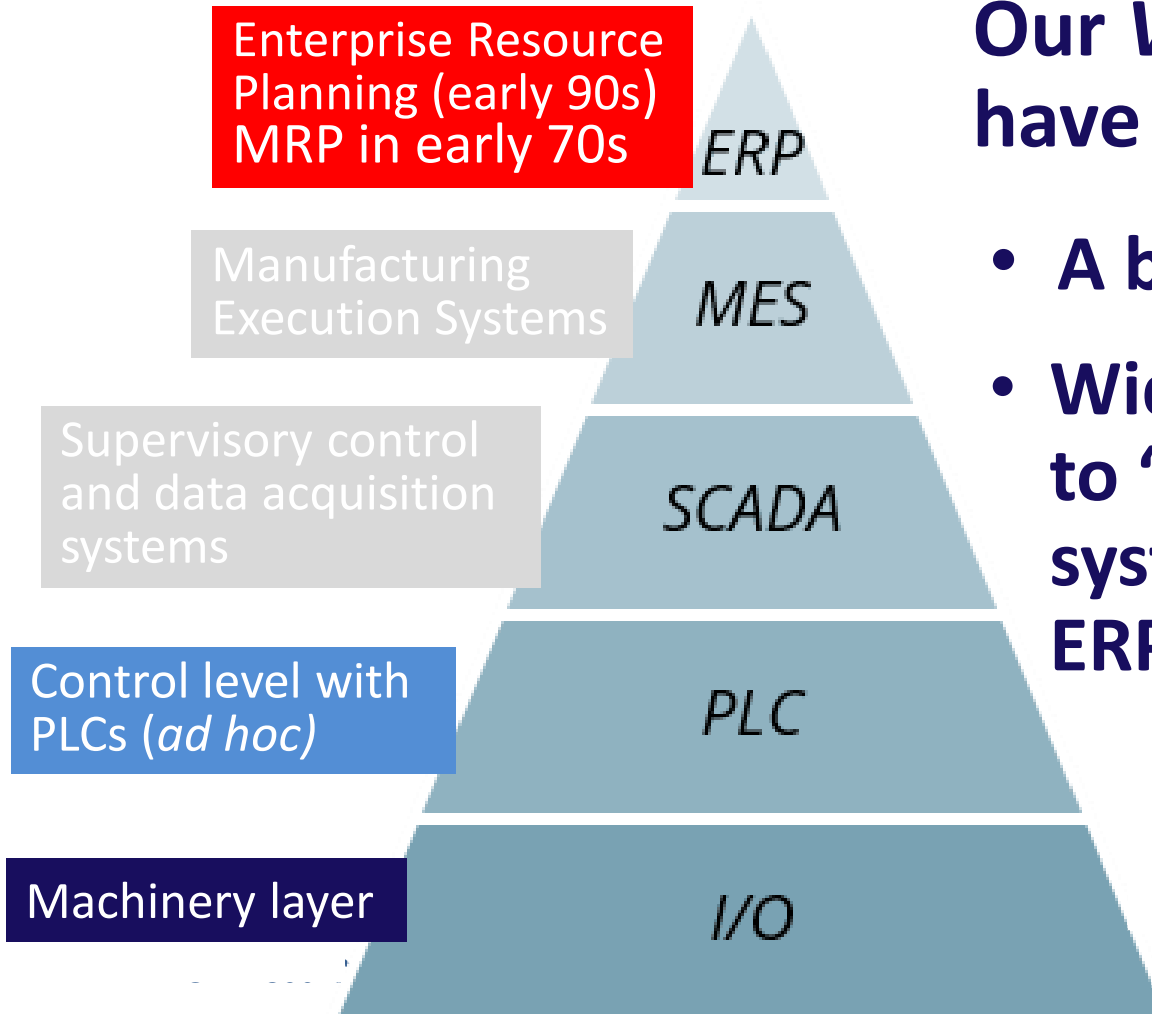


Our VUCA world and the ERP “logic” have created:

- **A binomial distribution in inventory.**

Today

5-layer architecture

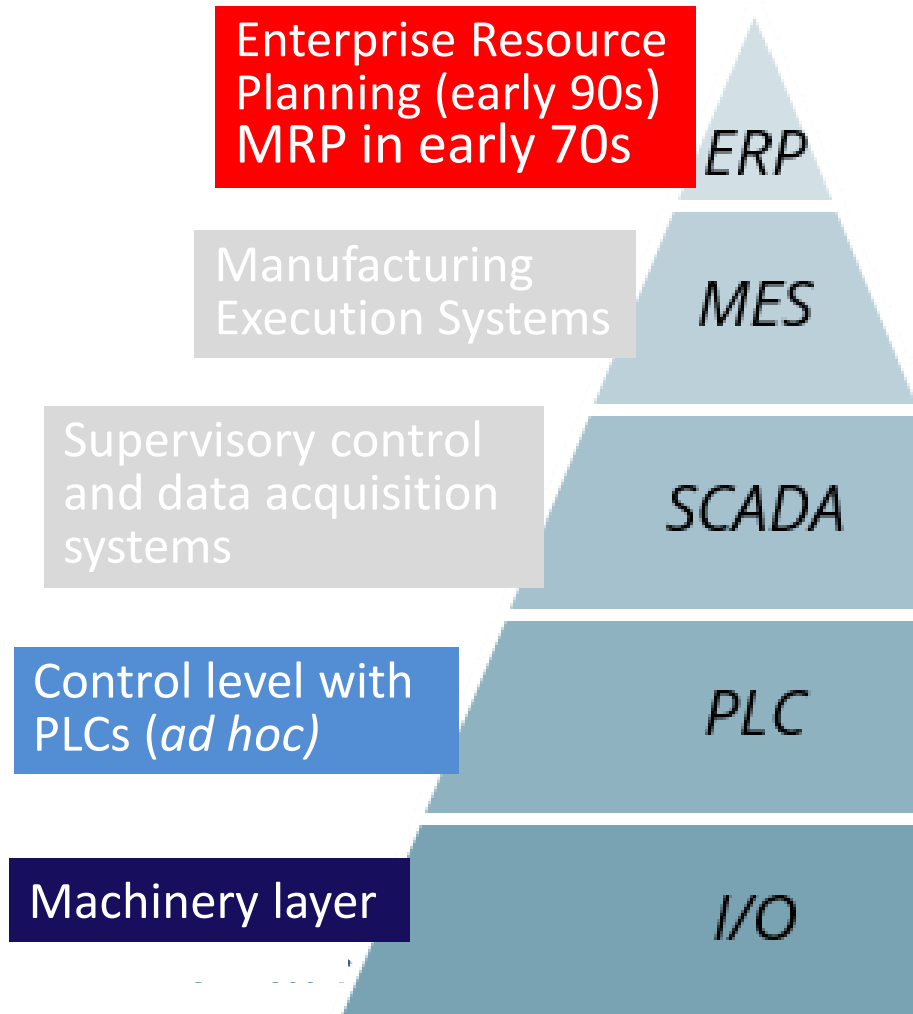


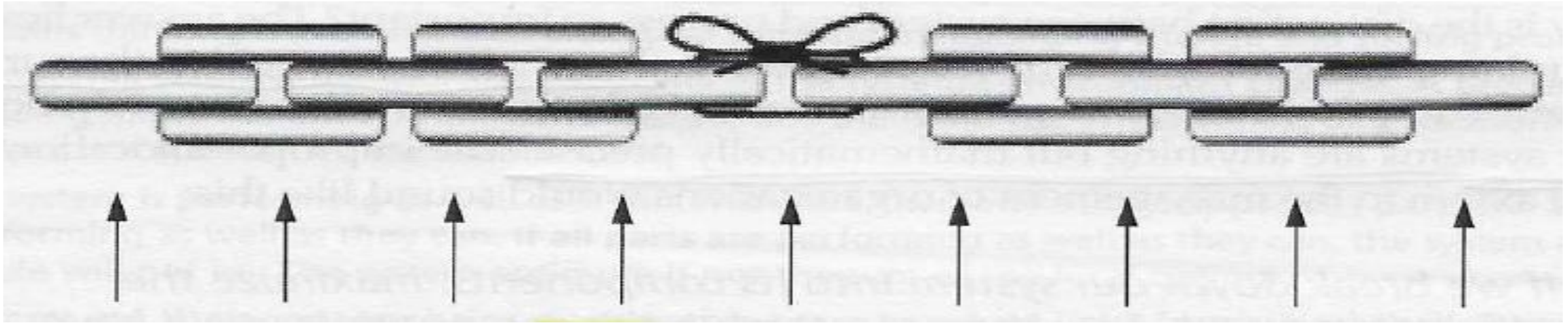
Our VUCA world and the ERP “logic” have created:

- **A binomial distribution in inventory.**
- **Widespread use of Excel spreadsheets to “supplement” the global business system (that shouldn’t happen with an ERP!).**

Today

5-layer architecture





Should we try to improve ALL the operations?

In this context, does it make sense to seek a high
Overall Equipment Effectiveness (OEE) of the
whole process?



*“The **first rule** of any technology used in a business is that automation applied to an efficient operation will magnify the efficiency.
The **second** is that automation applied to **an inefficient operation** will magnify the inefficiency.”*

Clients



ASEA BROWN BOVERI



ALCOA



ArcelorMittal



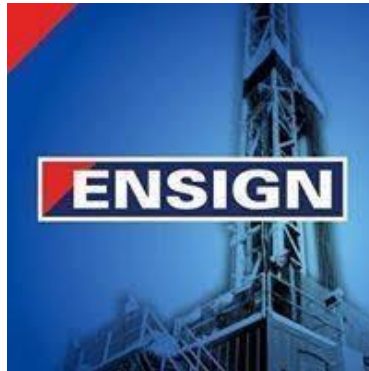
BOSCH



DELPHI
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THE POWER OF CONNECTED



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Kimberly-Clark



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Thank you!

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