

Asset Management

What is in it for us?

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Asset Value Is Rising

There are over \$233 Trillion worth of assets in use today across the world.



Production Equipment \$5.8 Trillion in the utilities industry alone



Transportation Assets Over \$4 Trillion



Linear Assets Over \$10 Trillion



IT Hardware and Software \$52 Billion in the Fortune 500 alone, HW only



Facilities \$162 Trillion

70% of total value

Your Name, position, company – *“Talk Title”*
Adopted from IBM AM



Estimates of Asset Value in Iran



**Production
Equipment**

**\$500+ Billions (oil and gas, mining,
manufacturing, utilities, ...)**



**Transportation
Assets**

\$30-\$60 Billions



**Linear
Assets**

\$80-\$150 Billions



**IT Hardware
and Software**

\$1+ Billions



Facilities

\$2000 Billions

Your Name, position, company – *“Talk Title”*



Types of Maintenance Programs

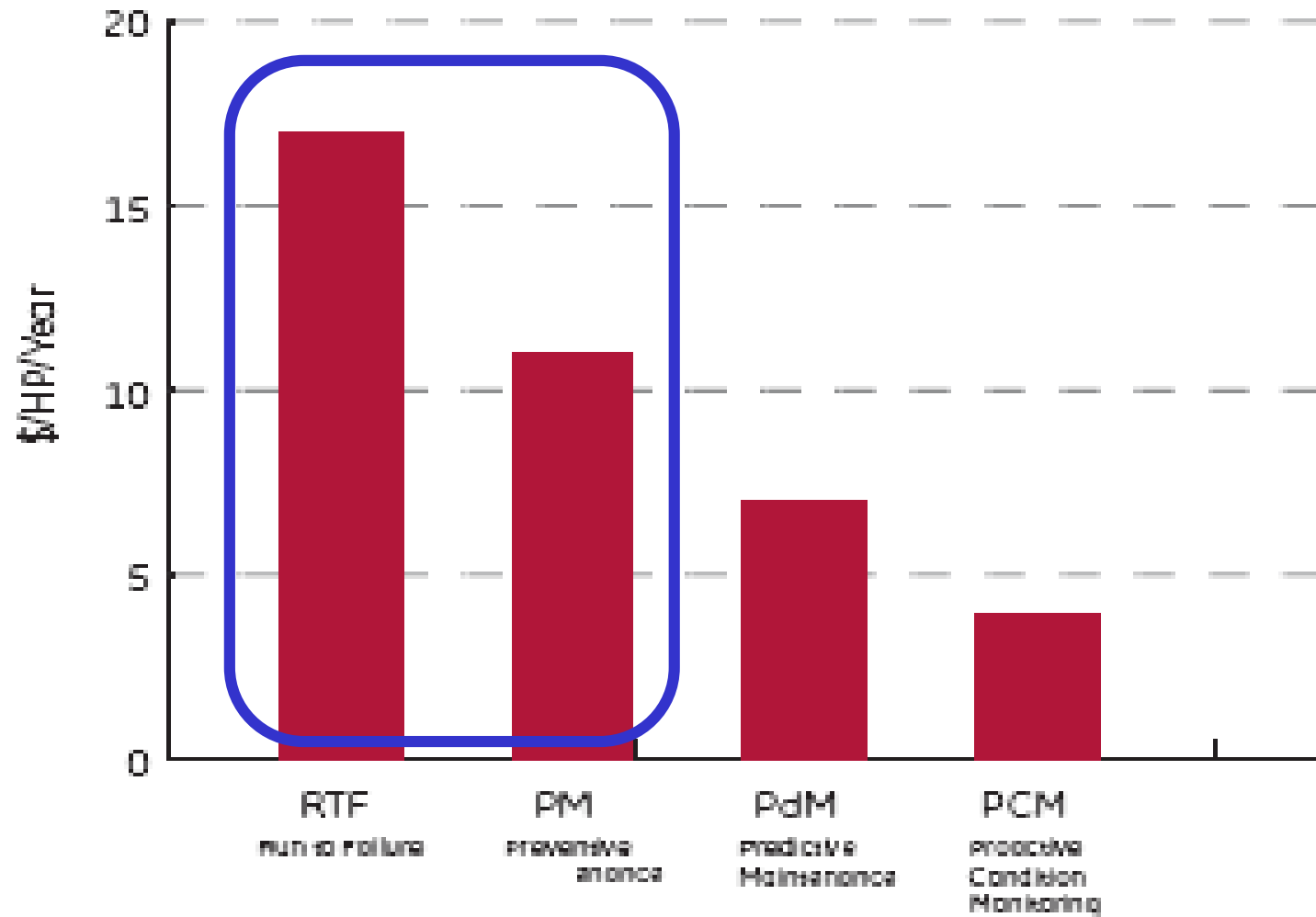


Figure 4 – Cost of maintenance versus maintenance practices employed, as summarized by an Electric Power Research Institute (EPRI) study.



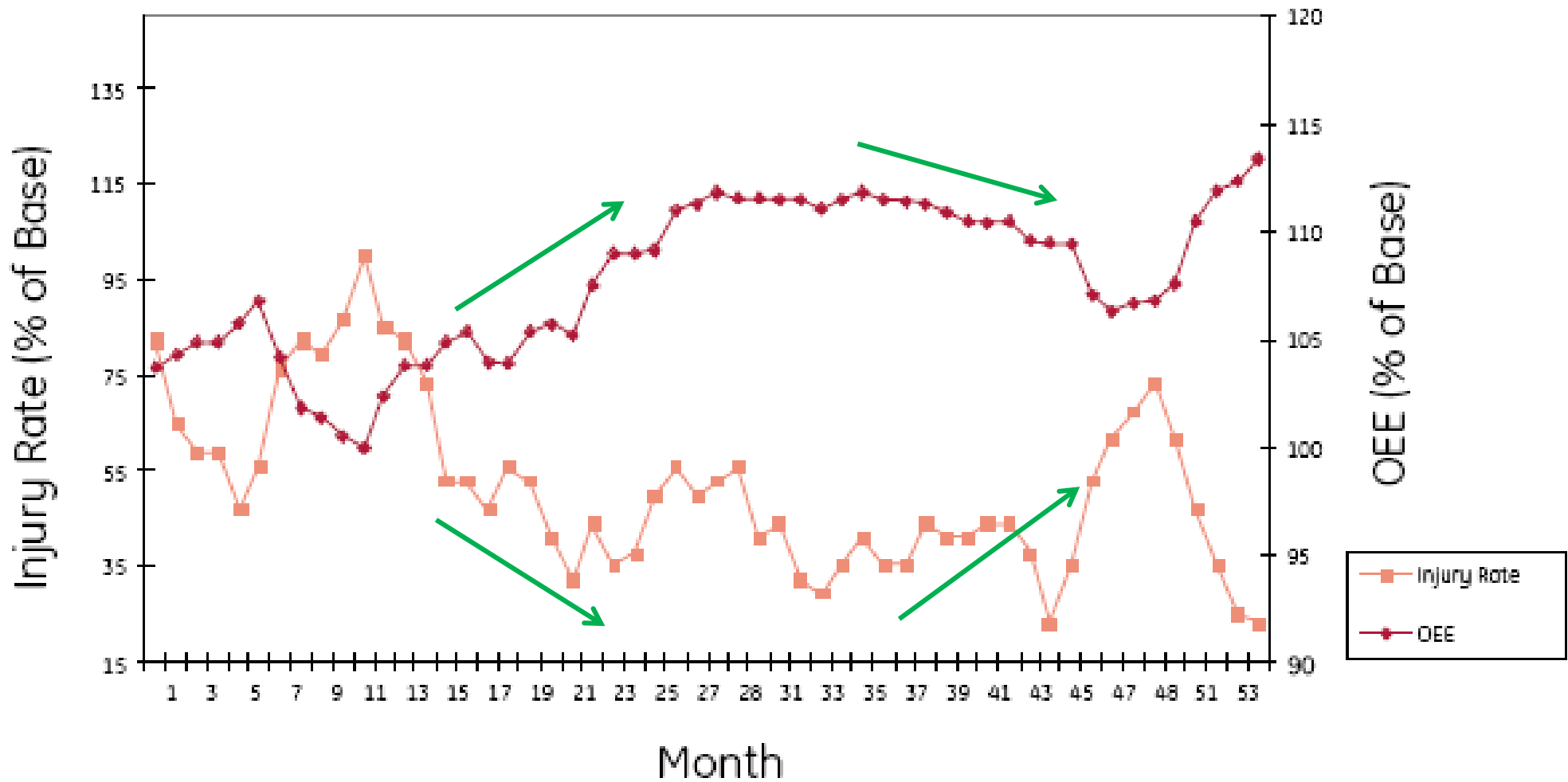


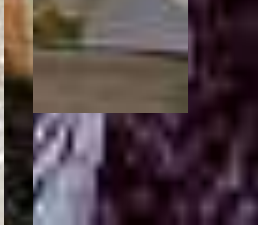
Figure 1: Injury Rate and Overall Equipment Effectiveness (OEE).

From: Ron Moore, "Making Common Sense, Common Practice"

$OEE = A \times P \times Q$
 A = availability %
 P = production rate % of maximum
 Q = quality rate %
 A, P and Q increase as R increases



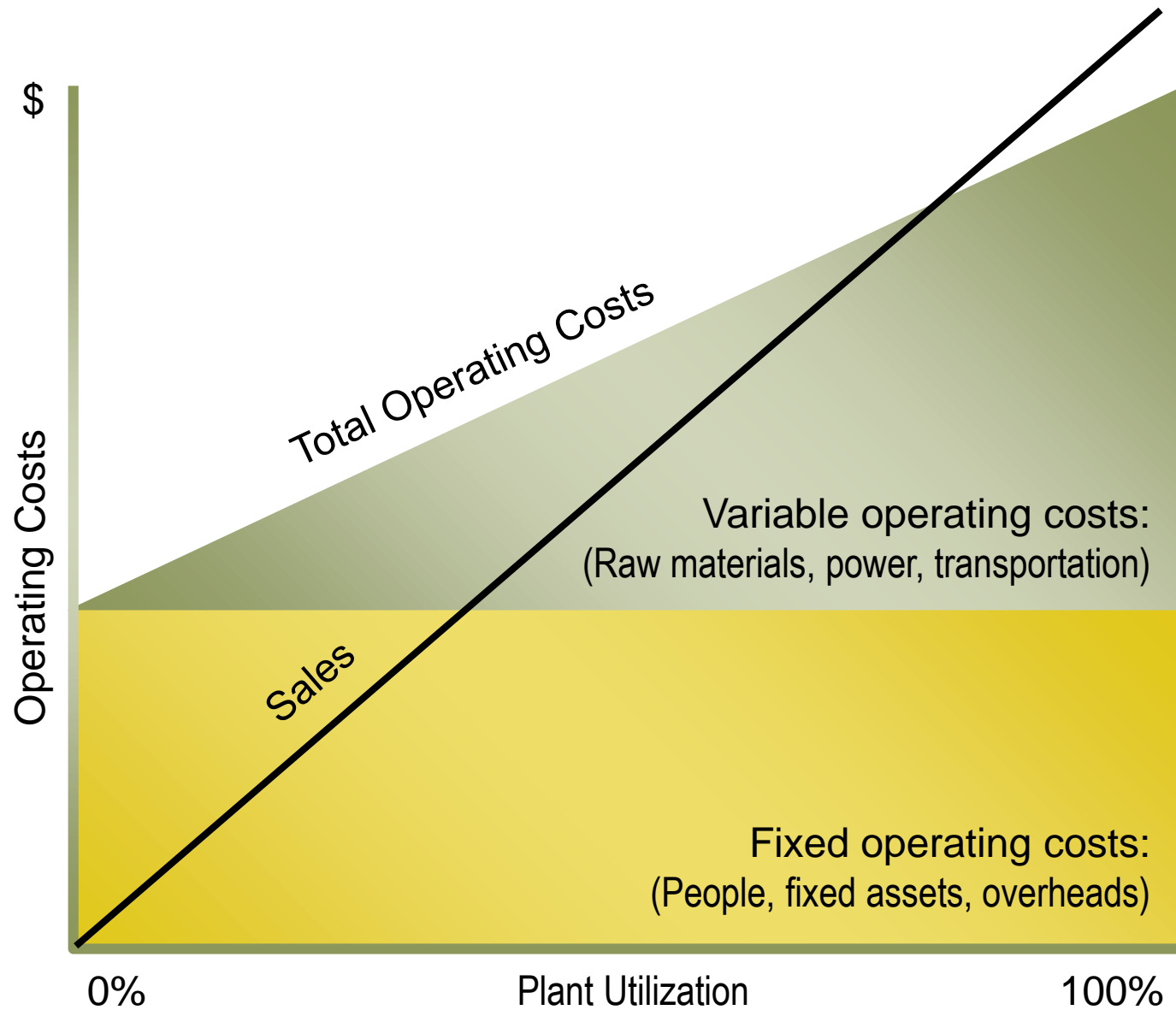
MSU Skandi Neptune Subsea 7
E: 1202796.70 Nr: 10007620.07 03/06/18
D: 4223.5 Rit: 00:01:18
Hero 14: Dispersant Ops Wgt: 52.45



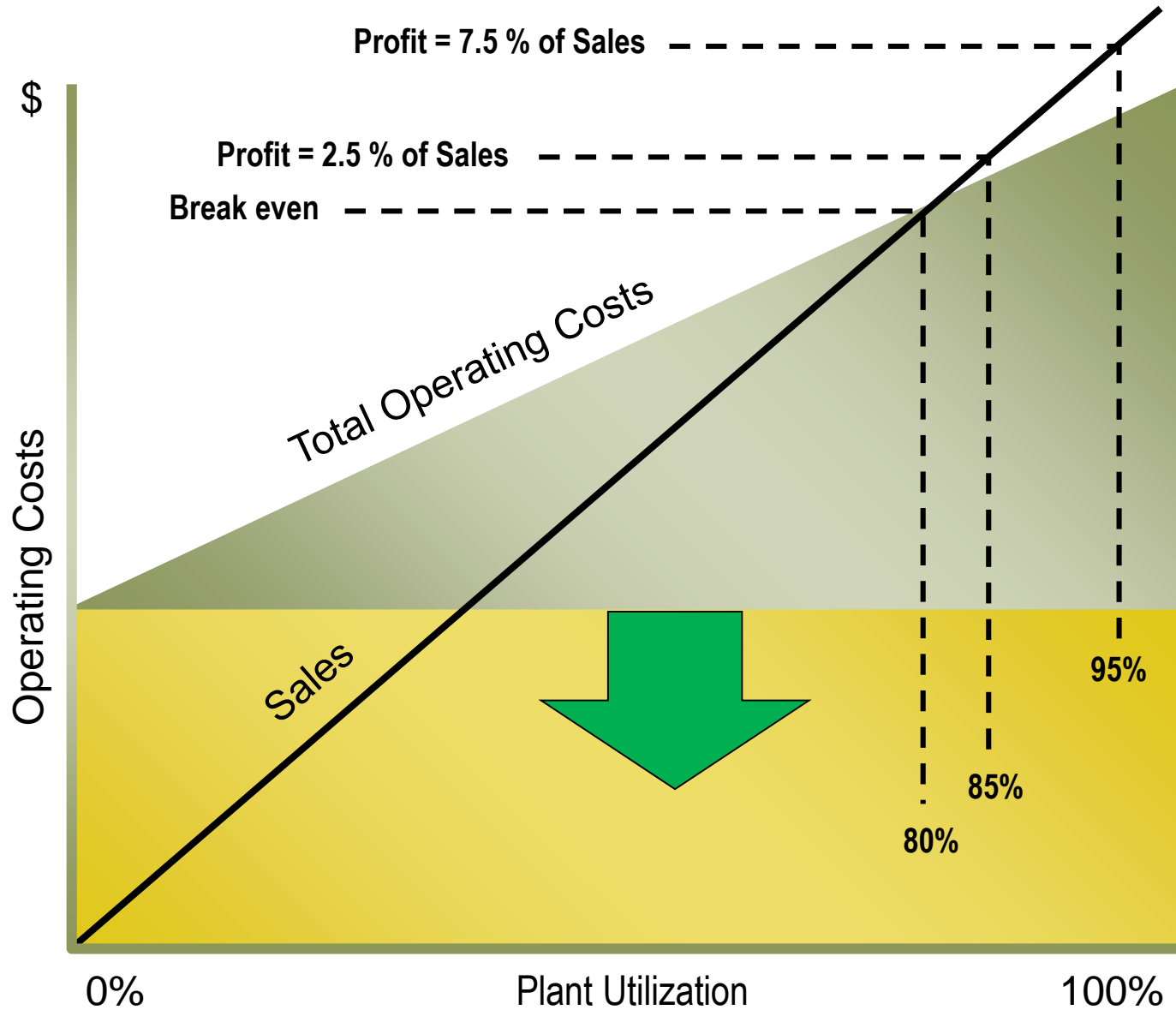
Bhopal



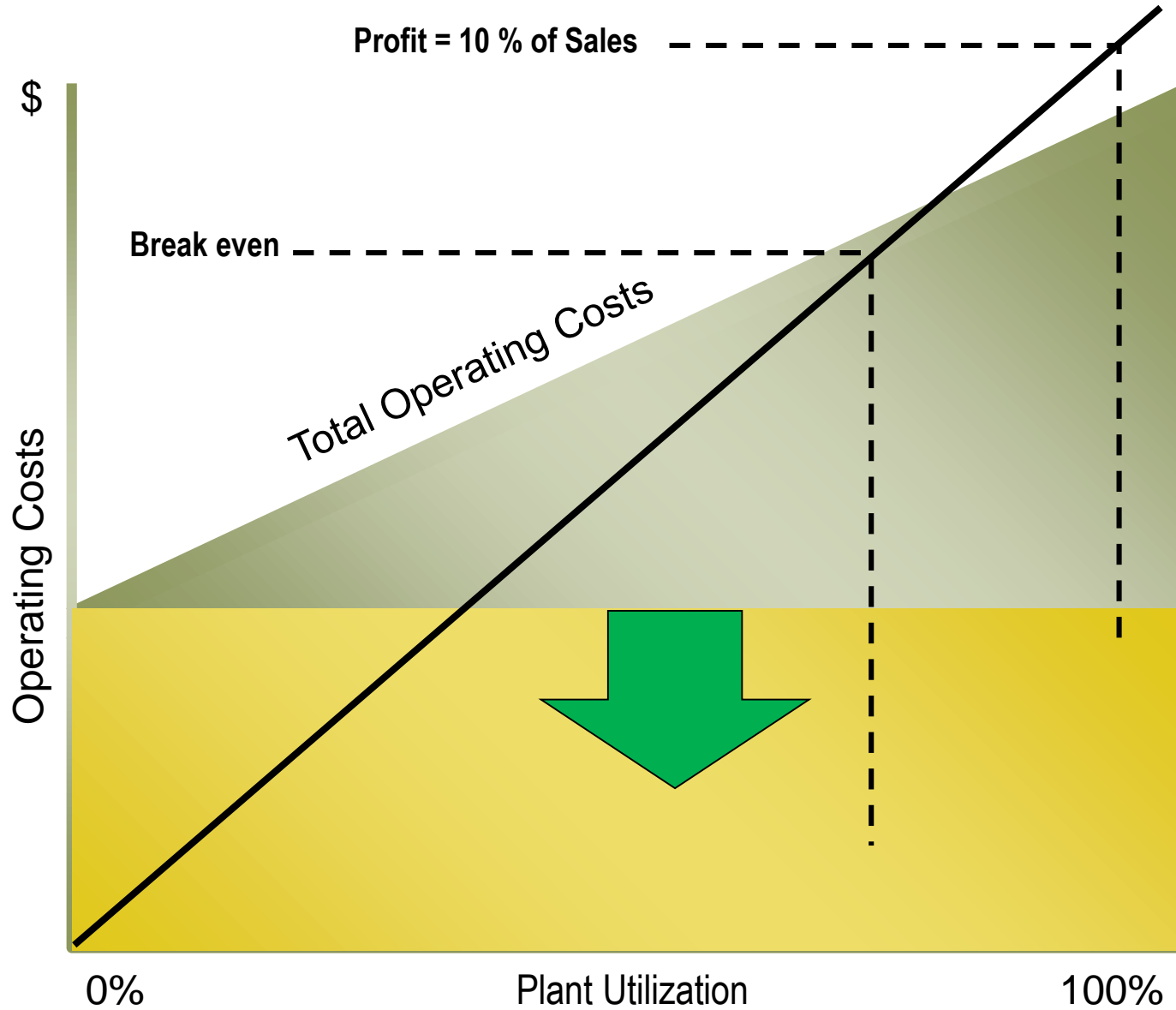
Return on Investment



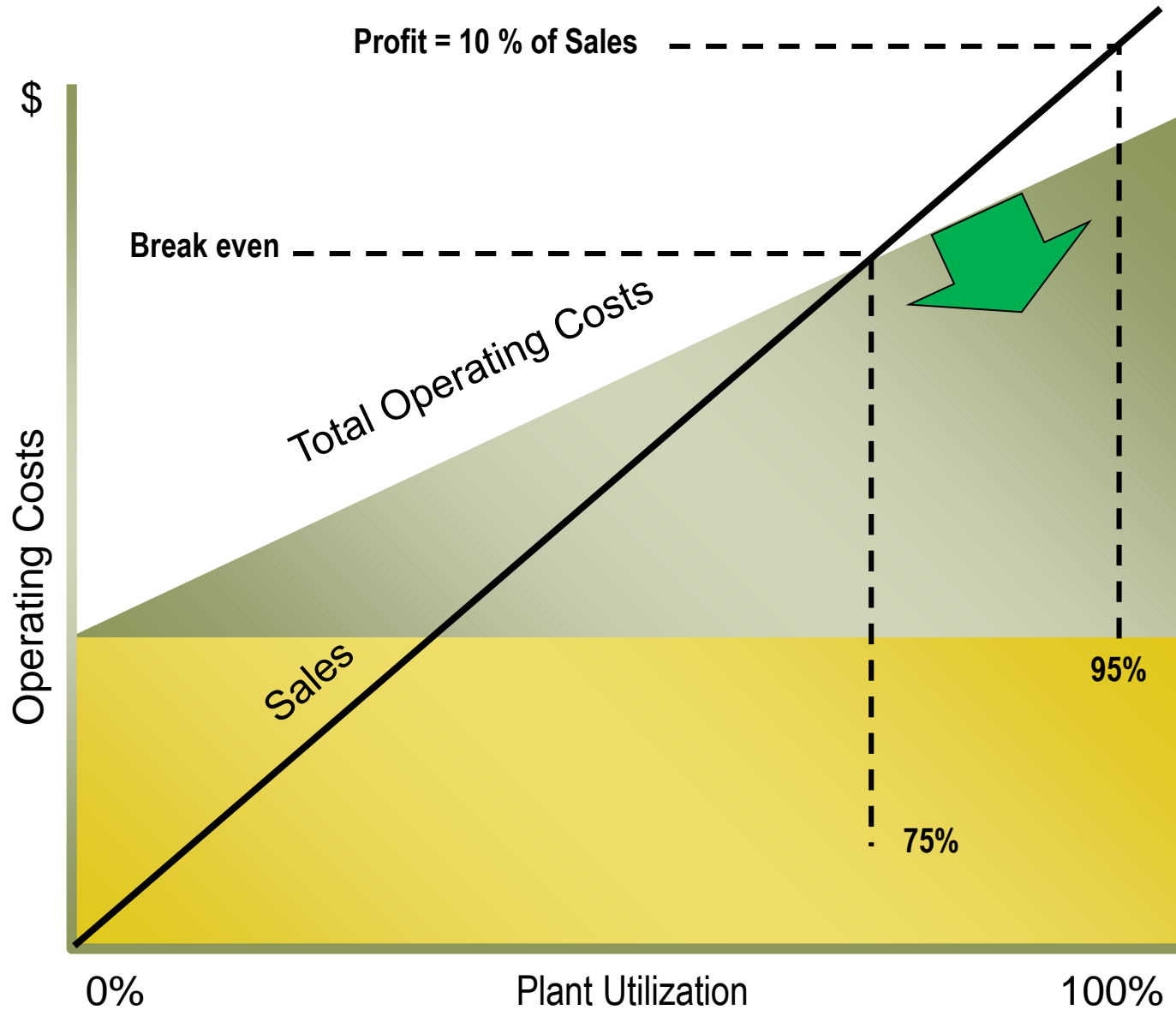
Return on Investment



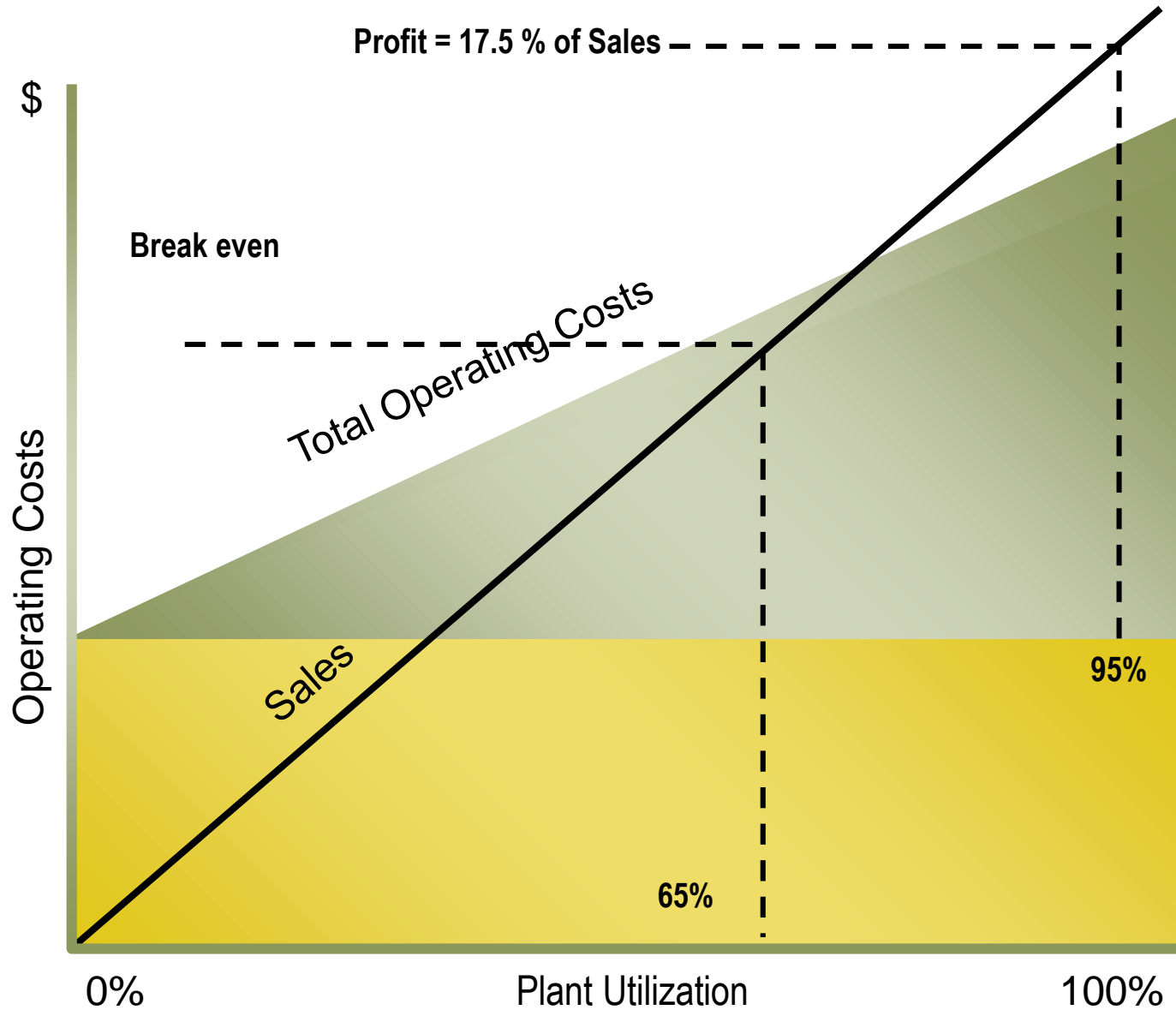
Return on Investment



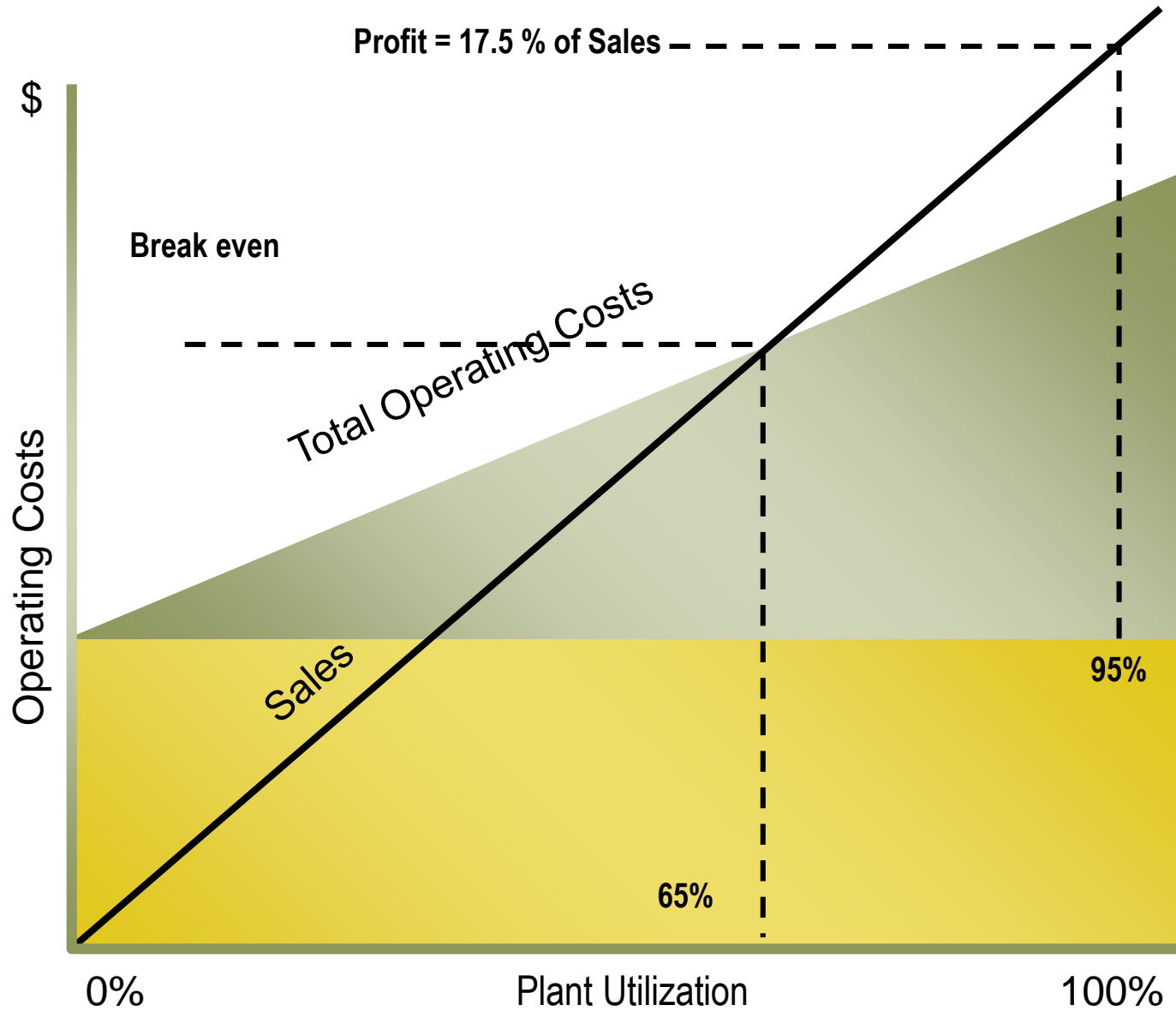
Return on Investment



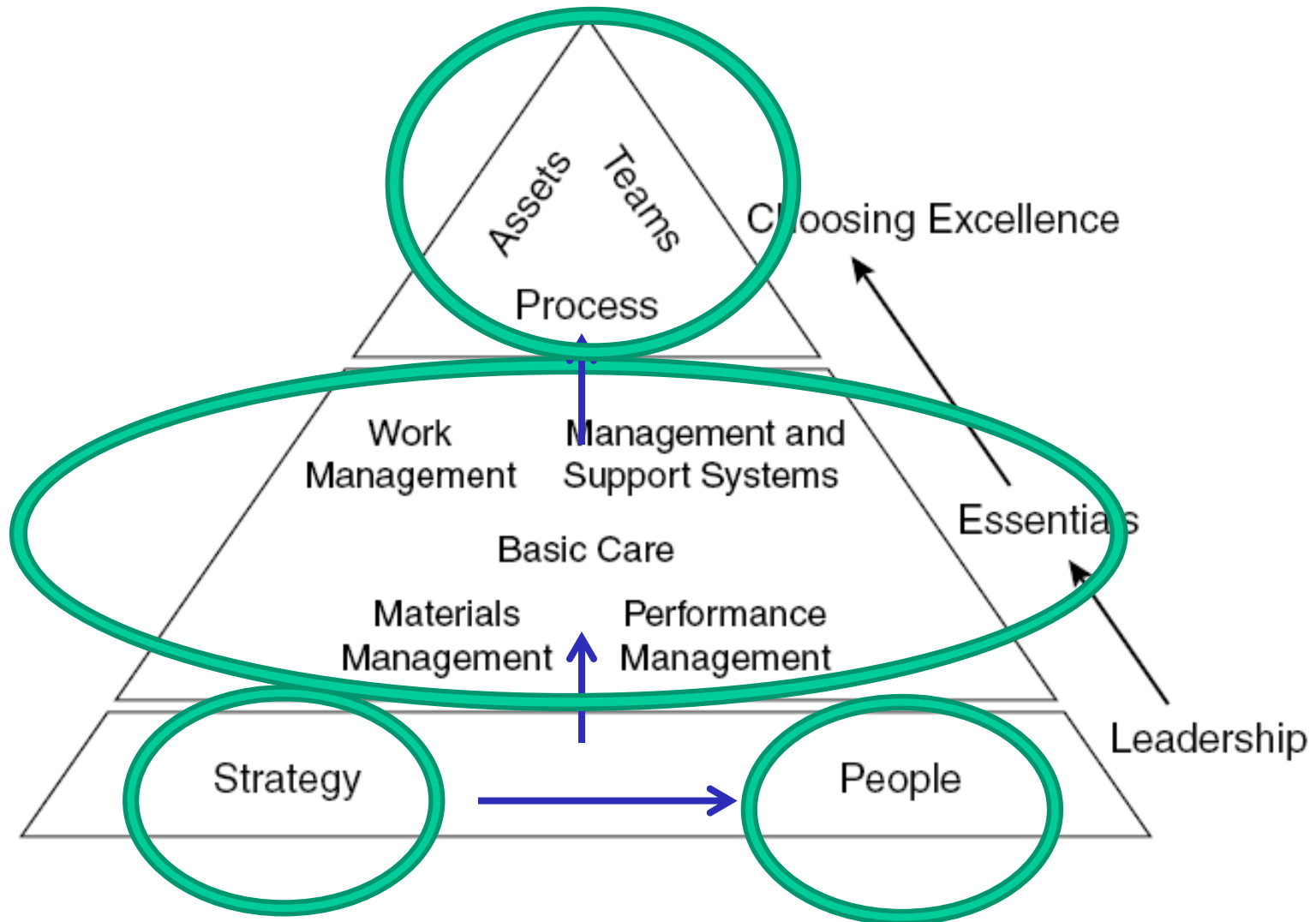
Return on Investment



Return on Investment



Asset Management Pyramid of Excellence



نتیجه کلی ارزیابی

استراتژیهای سازمان

10

8

6

4

2

0

نیروی انسانی

روشهای بهینه سازی فرایندهای
نت

کیفیت مدیریت کار

روشهای مبتنی بر کار گروهی

تاکتیکهای نت

روشهای مبتنی بر قابلیت
اطمینان

فرایندهای ارزشیابی عملکرد

مدیریت مواد، قطعات یدکی
و ابزارآلات

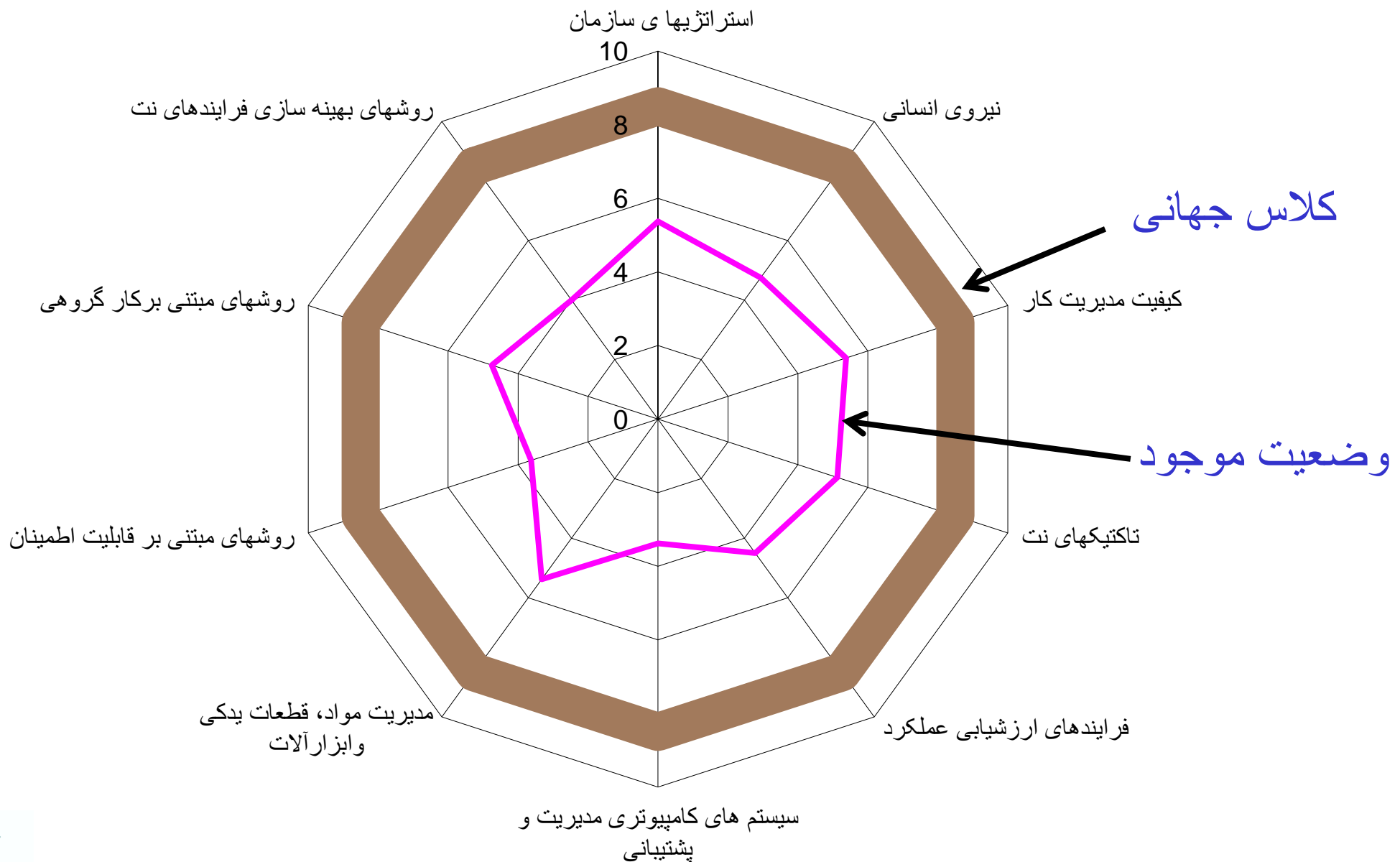
سیستم های کامپیوتری مدیریت
و پشتیبانی

میانگین مجتمع

تیم ارزیاب



نتیجه کلی ارزیابی و مقایسه با کلاس جهانی

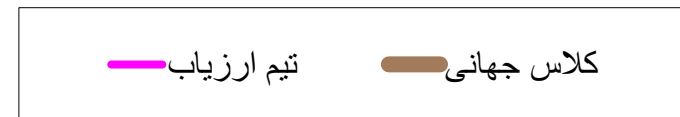
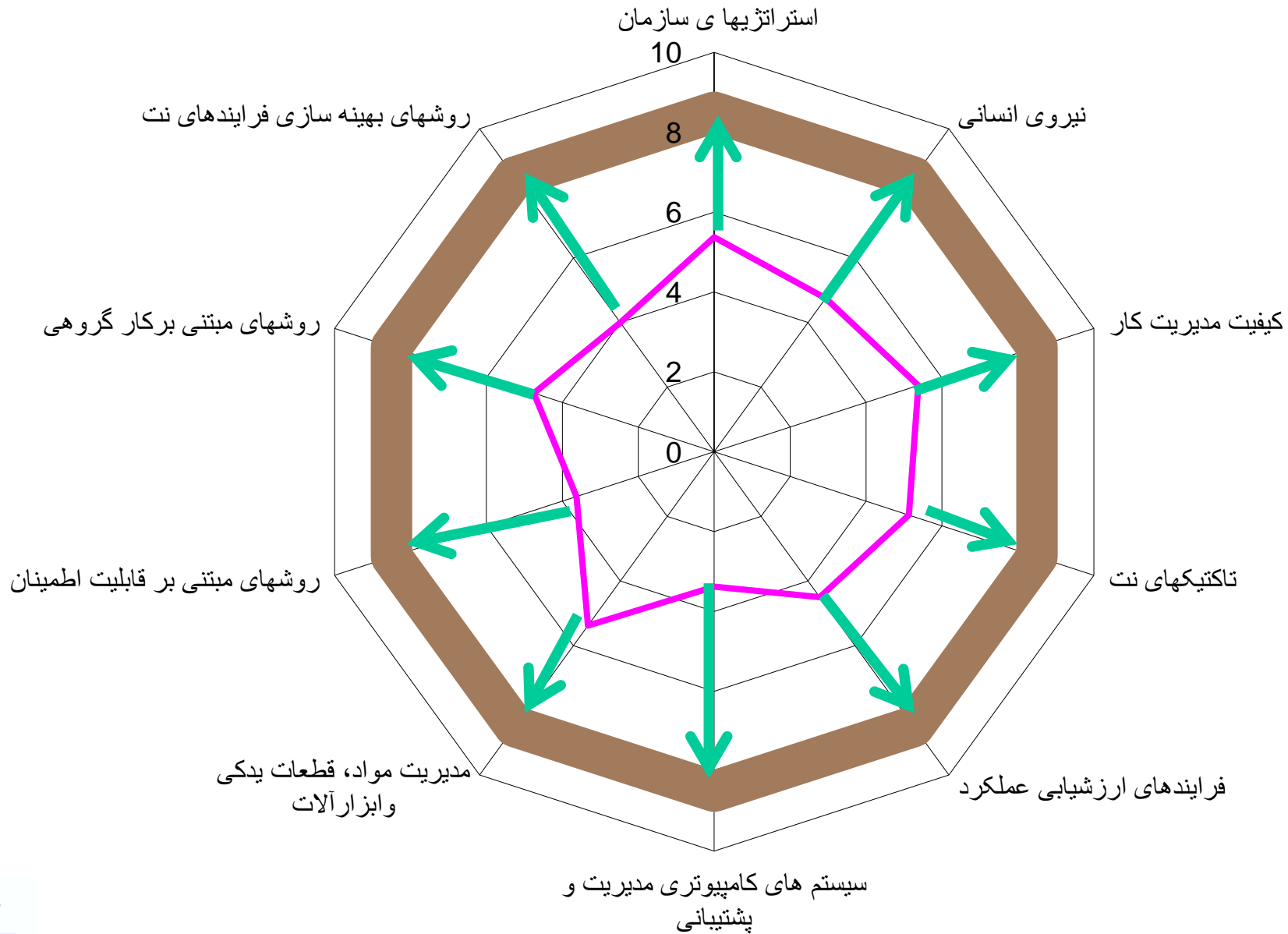


تیم ارزیاب

کلاس جهانی

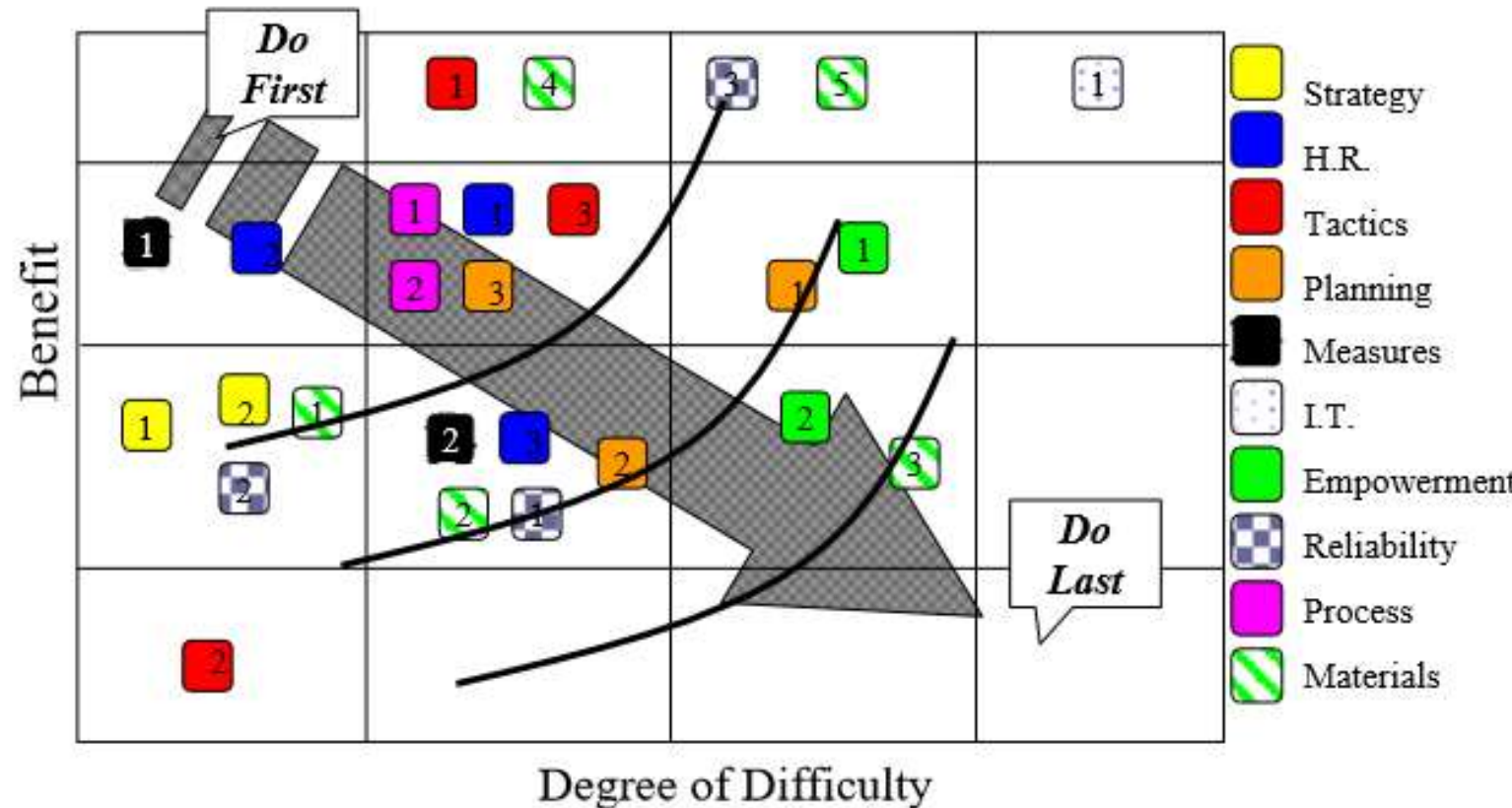


نتیجه کلی ارزیابی و مقایسه با کلاس جهانی



Prioritizing Your Activities

- Opportunity map
 - For each activity determine:
 - Value to your enterprise (determine what it buys you)
 - Probability of success (often related to ease of implementation)
 - Plot on a grid of Value vs. Probability
 - Do the high value, high probability items first and work your way across the grid towards the "low / low" activities
- Then plan action in detail...



Any Questions?

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Thank You

