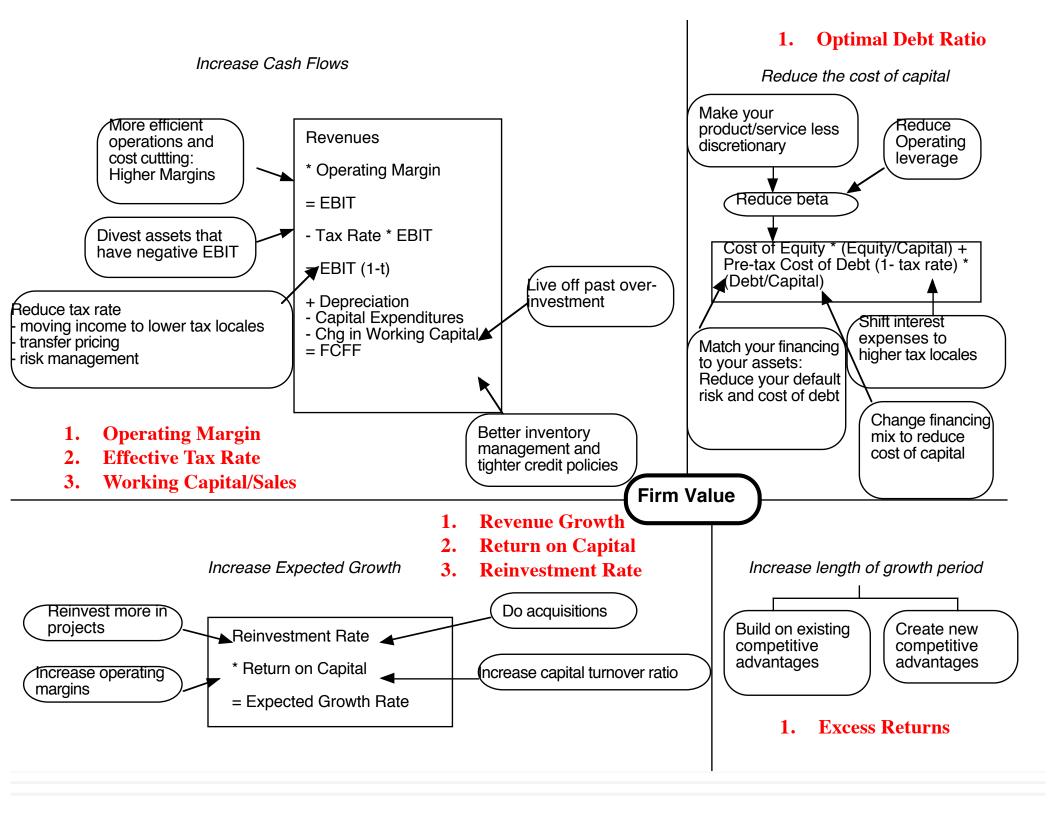
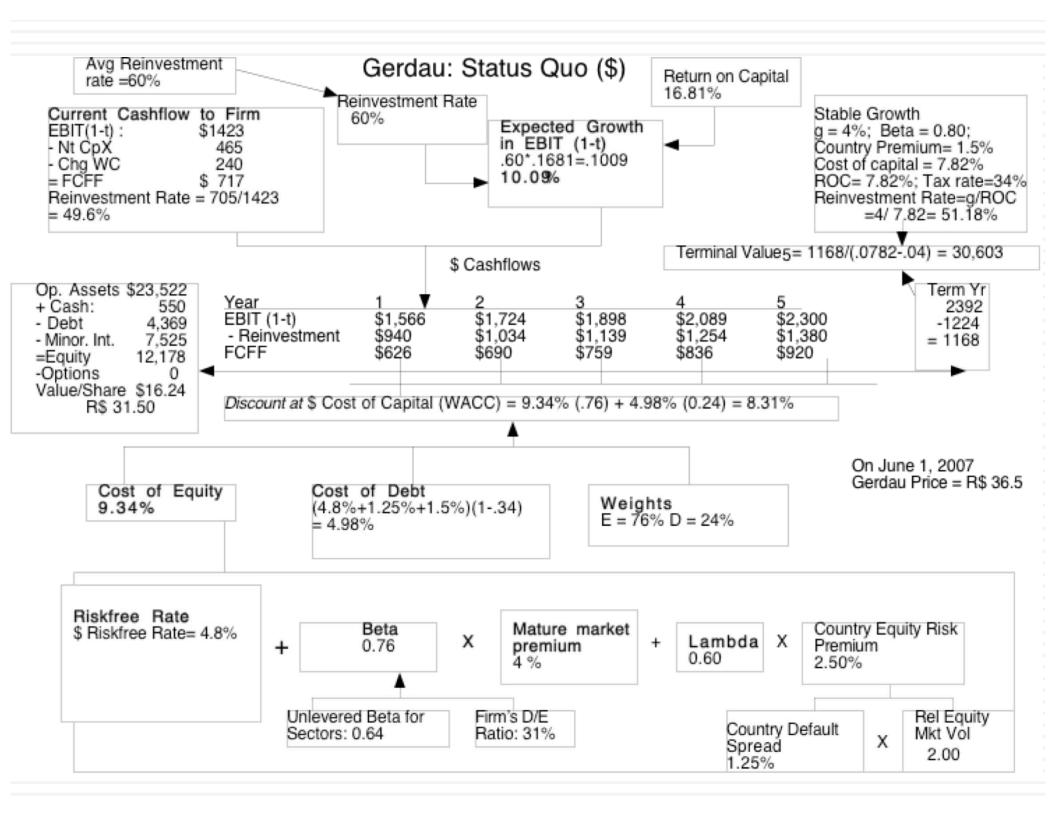
IN PRACTICE WEBCAST: VALUING CONTROL

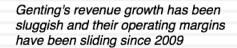
Aswath Damodaran

The Value of Control

- The value of controlling a firm derives from the fact that you believe that you or someone else would operate the firm differently (and better) from the way it is operated currently.
- The expected value of control is the product of two variables:
 - the change in value from changing the way a firm is operated
 - the probability that this change will occur







	Company	Industry
Revenue growth	1.30%	6.22%
Operating Margin	18.26%	13.38%
Sales to Capital	0.35	0.82
ROIC	4.84%	9.44%

Genting Berhad: My valuation (July 2016)

Between 2009 and 2015, Genting's pre-tax margin averaged 27.9% but had dropped from 30% + in 2009 to 18.3% this year.

Pre-tax operating margin increases to 20% over time.

Sales to capital ratio of 0.82 for incremental sales

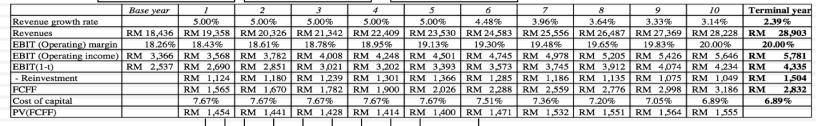
Stable Growth

g = 2.39% Cost of capital = 6.89% ROC= 6.89%;

Reinvestment Rate= 2.39%/6.89% = 34.69%

Terminal Value= 2832/(.0689-.0239) = 62,924

Value of operating assets	RM45,525
- Debt	RM17,968
- Minority interests	RM21,888
+ Cash	RM24,355
+ Non-operating assets	RM4,187
Value of equity	RM34,211
Number of shares	3,716.98
Estimated value /share	RM 9.20



Cost of capital = 9.42% (.658) + 4.31% (.342) = 7.67%

Cost of capital decreases to 6.89% from years 6-10

Cost of equity = 9.42%

Cost of Debt Rated Baa1 (2.39%+1.35%+2%)(1-.25) = 4.31%

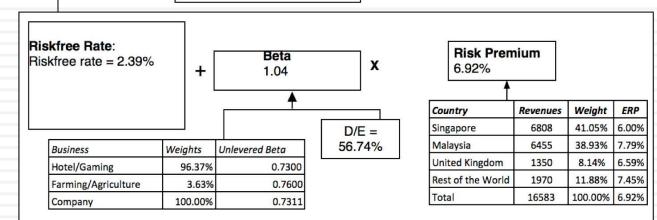
Revenue growth of 5% a year for 5

years, tapering down

to 2.39% in year 10

Weights E = 65.8% D = 34.2%

On July 2, 2016, the shares were trading at RM 8.19/share.

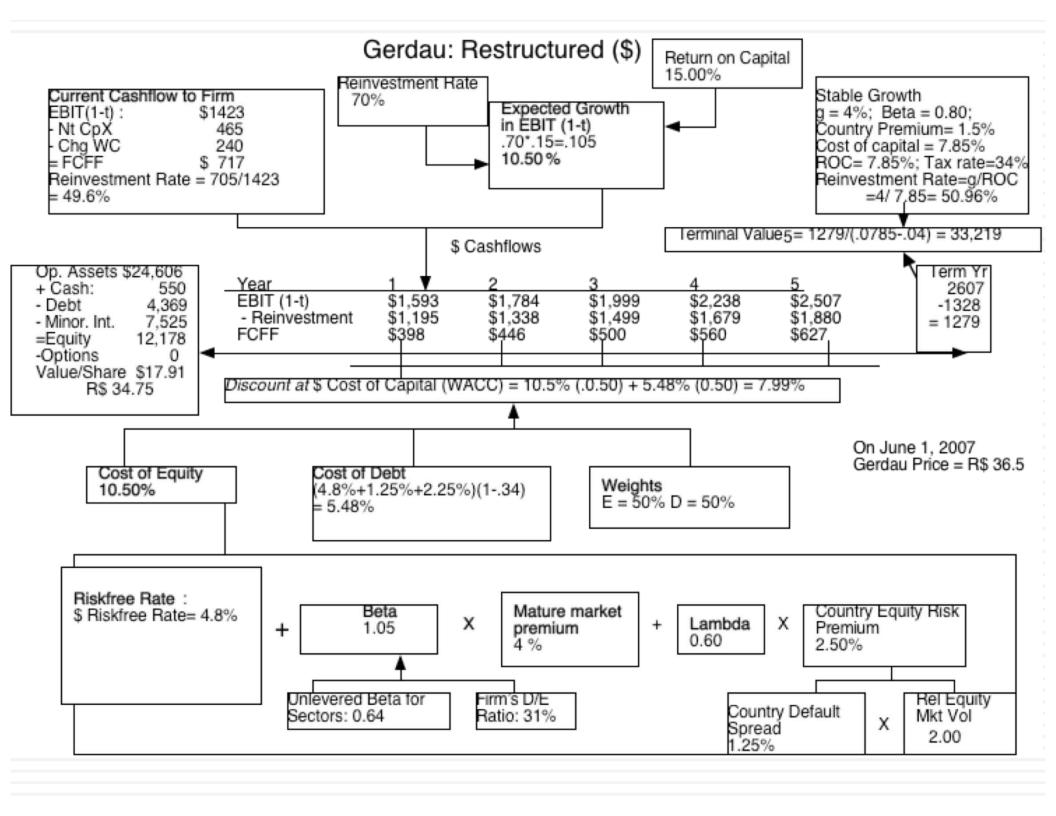


An Assessment of Gerdau: Where is there most promise?

- If you were running Gerdau, where do you see the most promise in value enhancement?
- Increase cash flows from existing assets (Current margin = 19.5%; Tax rate = 34%; Non-cash WC = 18.33%)
- Increase growth rate during high growth period (Reinvestment rate = 60%, Return on capital = 16.81%; Growth rate = 10.09%)
- Increase length of growth period (5 years)
- 4. Reduce cost of capital (Debt ratio = 24%)

Gerdau: Optimal Capital Structure

Debt Ratio	Beta	Cost of Equity	Bond Rating	Interest rate on o	debtTax Rate	Cost of Debt (after-	tax) WACC	Firm Value (G
0%	0.63	9.82%	AAA	6.80%	34.00%	4.49%	9.82%	\$25,205
10%	0.68	10.01%	AAA	6.80%	34.00%	4.49%	9.46%	\$26,280
20%	0.73	10.24%	AA	7.05%	34.00%	4.65%	9.12%	\$27,341
30%	0.81	10.54%	Α	7.85%	34.00%	5.18%	8.93%	\$27,990
40%	0.91	10.93%	A-	8.05%	34.00%	5.31%	8.69%	\$28,864
50%	1.05	11.49%	BBB	8.30%	34.00%	5.48%	8.48%	\$29,626
60%	1.26	12.32%	B-	14.05%	34.00%	9.27%	10.49%	\$23,453
70%	1.60	13.71%	CC	17.55%	34.00%	11.58%	12.22%	\$19,875
80%	2.31	16.54%	CC	17.55%	33.45%	11.68%	12.65%	\$19,144
90%	4.62	25.78%	CC	17.55%	29.73%	12.33%	13.68%	\$17,603



An Assessment of Genting Berhad

- If you were running Genting Berhad, where do you see the most promise in value enhancement?
- Go for more revenue growth: Revenue growth is only 5%. Increasing it may push up value.
- Increase operating margins to the average (27.9%) generated over the last decade.
- Change mix of debt, type of debt, to lower cost of capital. (Genting is close to its optimal debt ratio currently, with an actual debt ratio of 34% and an optimal debt ratio of 30%)
- 4. Sell of assets (especially real estate) that have higher alternative value uses.
- Of these, the action with the most potential for value change is to push to improve operating margins.

Genting's revenue growth has been sluggish and their operating margins have been sliding since 2009

	Company	Industry
Revenue growth	1.30%	6.22%
Operating Margin	18.26%	13.38%
Sales to Capital	0.35	0.82
ROIC	4.84%	9.44%

Genting Berhad Restructured My valuation (July 2016)

Between 2009 and 2015, Genting's pre-tax margin averaged 27.9% but had dropped from 30% + in 2009 to 18.3% this year. The sales to capital ratio in 2009-2015 was to 1.01.

Revenue growth of 5% a year for 5 years, tapering down to 2.39% in year 10

Pre-tax operating margin increases to 27.9% over time.

Sales to capital ratio of 1.01 for incremental sales

Stable Growth

g = 2.39% Cost of capital = 6.89% ROC= 6.89%;

Reinvestment Rate= 2.39%/6.89% = 34.69%

Terminal Value= 3950/(.0689-.0239) = 87,779

On July 2, 2016, the

shares were trading

at RM 8.19/share.

Value of operating assets =	RM	64,186.54
- Debt	RM	17,968.00
- Minority interests	RM	21,888.00
+ Cash	RM	24,355.00
+ Non-operating assets	RM	4,187.00
Value of equity	RM	52,872.54
Number of shares		3,716.98
Estimated value /share	RM	14.22

Base year Terminal year Revenue growth rate 5.00% 5.00% 5.00% 5.00% 5.00% 4.48% 3.96% 3.64% 3.33% 3.14% 2.39% RM 18.436 RM 19.358 RM 20,326 RM 21.342 RM 22,409 RM 23.530 RM 24.583 RM 25,556 RM 26,487 RM 27.369 RM 28.228 RM 28,903 Revenues EBIT (Operating) margin 18.26% 19.22% 20.19% 21.15% 22.11% 23.08% 24.04% 25.01% 25.97% 26.94% 27.90% 27.90% EBIT (Operating income) RM 3,366 RM 3,721 RM 4,103 RM 4,514 RM 4,956 RM 5,430 RM 5,911 RM 6,391 RM 6,879 RM 7,372 RM 7,876 RM8,064 EBIT(1-t) RM 2,537 RM 3,403 RM 3,736 RM 4,093 RM 4,451 RM 4,808 RM 5,170 RM 5,535 RM 5,907 RM 2,805 RM 3,093 RM6,048 Reinvestment RM 913 RM 958 RM 1,006 RM 1,057 RM 1,109 RM 1,043 RM 963 RM 922 RM 873 RM 851 RM 2,098 FCFF RM 2,396 RM 2,679 RM 2,984 RM 3,408 RM 3,845 RM 4,248 RM 5,055 3,950 RM 1,892 RM 2,135 RM 4,661 Cost of capital 7.67% 7.67% 7.51% 7.36% 7.20% 6.89% 7.67% 7.67% 7.05% PV(FCFF) RM 1,841 RM 1,920 RM ₁1,993 RM 2,062 RM 2,190 RM 2,302 RM 2,373 RM 2,432 RM 2,468

Cost of capital = 9.42% (.658) + 4.31% (.342) = 7.67%

Cost of capital decreases to 6.89% from years 6-10

Rated Baa1 Cost of equity = 2.39% Cost of Debt Weights +1.04 (6.92%) = 9.42% (2.39%+1.35%+2%)(1-.25)E = 65.8% D = 34.2% = 4.31% Riskfree Rate: **Risk Premium** Beta Riskfree rate = 2.39% X 6.92% + 1.04

D/E = 56.74%

 Business
 Weights
 Unlevered Beta

 Hotel/Gaming
 96.37%
 0.7300

 Farming/Agriculture
 3.63%
 0.7600

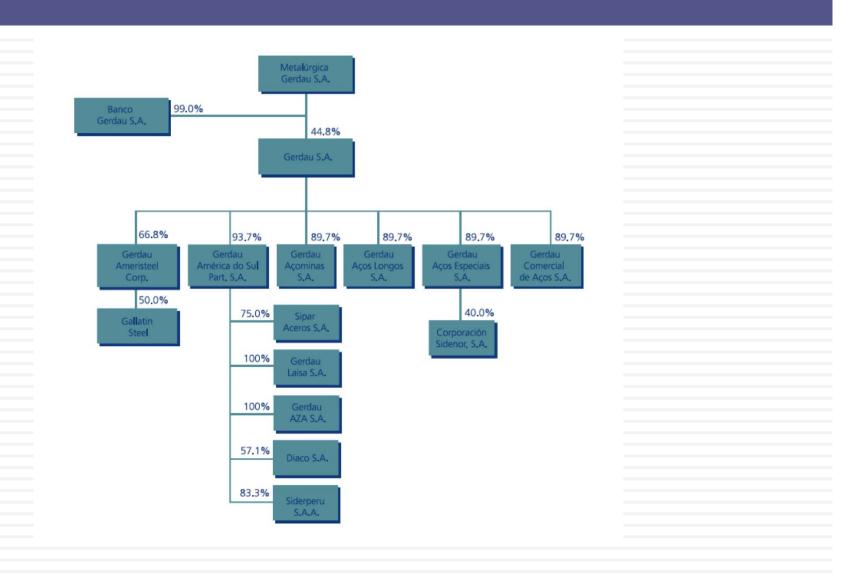
 Company
 100.00%
 0.7311

Country	Revenues	Weight	ERP
Singapore	6808	41.05%	6.00%
Malaysia	6455	38.93%	7.79%
United Kingdom	1350	8.14%	6.59%
Rest of the World	1970	11.88%	7.45%
Total	16583	100.00%	6.92%

The Probability of Changing Control

- The probability of changing management will be different across different companies and will vary across different markets.
- In general, the more power stockholders have and the stronger corporate governance systems are, the greater is the probability of management change for any given firm.
- The probability of changing management will change over time as a function of legal changes, market developments and investor shifts.

Gerdau's Cross Holdings...



Genting Berhad: Change Probability

- As a Malaysian company, with a web of companies holding shares in each change, change will be difficult, unless one of the leading stockholders signs on, or management has a change of heart.
- The probability of change is low, but not zero. There is also the possibility that an acquirer may find the company attractive for its turn around potential.

Bottom Line

- There is only a moderate value of control at Gerdau Steel in 2007, because the company was for the most part, well run. Even if you believed that there was value to controlling Gerdau, the expected value of control would have been close to zero, since the holding structure of Gerdau would have made it almost impossible to change the way the firm was run.
- At Genting Berhad, in 2016, the value of control and the expected value of control are both much higher.