ABSTRACT OF PPS VALUATION

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OUTLINES OF PPS VALUATION METHOD

- 1. THE VALUATION IS BASED ON PPS EXPERIENCE & RECORDS IN ITS OPERATIONS IN 2005-2010
- 2 . PPS VALUE IS COMBINED FROM 3 INDEPENDENT PROFIT CENTERS RUN BY ONE MANAGEMENT TEAM
- a, THE NESS ZIONA DEVELOPMENT CENTER
- b, THE SHLOMI MANUFACTURING PLANT
- c, PORTFOLIO PRODUCTS

THE VALUATION METHOD IS DISCOUNTED CASH FLOW WITH PROBABILITY ADJUSTMENTS FOR PORTFOLIO PRODUCTS

THE NESS ZIONA DEVELOPMENT CENTER

P&L NESS ZIONA AVERAG	E YEAR US \$	
REVENUE		
No of CRO projects for external clients - large scale		4
Revenue from 1 large scale project (12 months)		1,100,000
No of CRO projects for external clients - medium scale		6
Revenue from medium scale project (3-6 months)		75,000
No of CRO projects for external clients - small scale(1-2 mon	ths)	4
Revenue from small scale project		25,000
no of portfolio projects		3
Grant from OCS& Funds per portfolio project		100,000
Total Revenue from projects		5,250,000
EXPENDITURES		
No of development workers		50
Annual cost per worker		60,000
No of management workers		8
Annual cost per manager		90,000
Total annual salary cost		3,720,000
Rent & municipal taxes (1350 sqm)		250,000
Administrtive costs		100,000
Car leasing & maintenance		96,000
Regulatory administrator, QA.consultances,training, travel,O	300,000	
capex & contingency costs		200,000
Total non salary costs		946,000
Total expenditures		4,666,000
Special Annual Capital expenditure in 2011,2012,2013		300,000

NESS ZIONA VALUATION

	Ness Ziona site - Corporate & Development \$					
Year	No of projects	Revenues	Expenditures	Balance		
2,011	3	4,150,000	4,066,000	84,000		
2,012	3	4,150,000	4,066,000	84,000		
2,013	4	5,250,000	4,966,000	284,000		
2,014	4	5,250,000	4,666,000	584,000		
2,015	4	5,250,000	4,666,000	584,000		
2,016	4	5,250,000	4,666,000	584,000		
2,017	4	5,250,000	4,666,000	584,000		
2,018	4	5,250,000	4,666,000	584,000		
2,019	4	5,250,000	4,666,000	584,000		
2,020	4	5,250,000	4,666,000	584,000		
2,021	4	5,250,000	4,666,000	584,000		
2,022	4	5,250,000	4,666,000	584,000		
2,023	4	5,250,000	4,666,000	584,000		
2,024	4	5,250,000	4,666,000	584,000		
2,025	4	5,250,000	4,666,000	584,000		
2,026	4	5,250,000	4,666,000	584,000		
2,027	4	5,250,000	4,666,000	584,000		
			NPV	3,099,305		

IN THE YEARS 2011-2013 THERE IS A 300,000 \$ CAPITAL EXPENDITURE ANNUALLY

FULL CAPACITY (4 PROJECTS) IS REACHED IN 2013

2014 & ONWAREDS ARE AVERAGE YEARS

IN ADDITION TO 4 LARGE SCALE PROJECTS, 3 PORTFOLIO PROJECTS ARE CARRIED

PORTFOLIO PRODUCT 1: FVIIa

Mi	Milestones, clinical stages & expected Earnings for rh - FVIIa Development plan - 2010-2017 (pre sales)						
Milestones	Year	Details on development stages & Clinical studies	agreement		Accumalated probability	Weighted expected Earnings M \$	
1	2010	Development.Process & analtycal methods	0	100%	100%		
2	2011	Development. Pre - clinical & pharmacologicall studies	0	50%	50%		
3	2012	Development. Pre - clinical & toxicological studies.	0	60%	30%		
4	2013	Development. Phase I/II Clinical studies	2	70%	21%	0.4	
5	2014	Development. Phase I/II Clinical studies	2.5	70%	15%	0.4	
6	2015	Development. Phase I/II Clinical studies	3	70%	10%	0.3	
		Manufacturing.Registration BLA submission (defined					
7	2016	markets) Phase III clinical studies.	3.5	80%	8%	0.3	
8	2017	Phase III Clinical studies. Manufacturing. Registration	4	80%	7%	0.3	

Valuation of FVIIa

List of the model's assumptions		
sales of novoseven in 2010 M \$	1,200	
Annual growth in Novoseven sales 2010-2018	4%	
Decrease in sales in 2018 (Introduction of FVIIa)	30%	
Annual growth in Novoseves & FVIIa 2018-2027	8%	
% of royalties to PPS from sales of FVIIa	10%	
Rate of interest for Capitalization	12%	

Income f	orecast fro	m FVIIa for	PPS 2010-2	026 (Million	s US \$)
	Annual sales of Novoseven & FVIIa		Sales of FVIIa	Upfronts & Royalties to PPS	Weighted Expected Earnings for PPS
2010	1,200				
2011	1,248				
2012	•			0	0.0
2013				2	0.4
2014	1,404			2.5	0.4
2015	1,460			3	0.3
2016	1,518			3.5	0.3
2017	1,579			4	0.3
2018	1,105	10%	111	11.1	0.7
2019	1,194	15%	179	17.9	1.2
2020	1,289	20%	258	25.8	1.7
2021	1,392	25%	348	34.8	2.3
2022	1,504	30%	451	45.1	3.0
2023	1,624	30%	487	48.7	3.2
2024	1,754	30%	526	52.6	3.5
2025	1,894	30%	568	56.8	3.7
2026	2,046	30%	614	61.4	4.0
2027	2,210	30%	663	66.3	4.4
				NPV	7.9

Portfolio product 2 FSH

	(pre sales)					
			Up fronts			
			from sub-	L		L
				Probability		Weighted
			•	of passing		expected
			(Millions			Earnings
Milestones	Year	Details on development stages & Clinical studies	US\$)	milestone	d probability	M \$
1	2010	Development.Process & analtycal methods	0	100%	100%	
2	2011	Development. Pre - clinical & pharmacologicall studies	0	20%	20%	
3	2012	Development. Pre - clinical & toxicological studies.	0	40%	8%	0
4	2013	Development. Phase I/II Clinical studies	2	90%	7%	0.1
5	2014	Development. Phase I/II Clinical studies	2	80%	6%	0.1
6	2015	Development. Phase I/II Clinical studies	3	80%	5%	0.1
		Manufacturing.Registration BLA submission (defined				
7	2016	markets) Phase III clinical studies.	3	90%	4%	0.1
8	2017	Phase III Clinical studies. Manufacturing. Registration	4	90%	4%	0.1

VALUATION OF FSH

List of the model's assumptions			
sales of FSH in 2010 M \$	1,500		
Annual growth in fsh sales 2010-2018	4%		
Decrease in sales in 2018 (Launching of FSH)	30%		
Annual growth in fsh & FSH 2018-2027	9%		
% of royalties to PPS from sales of FVIIa	7%		
Rate of interest for Capitalization	12%		

Income forecast from FSH for PPS 2010-2027 (Millions US \$)					
	Annual			Upfronts	Weighted
	sales of	Market		&	Expected
	Competitors	share	Sales	-	Earnings
Year	fsh & FSH	of FSH	of FSH	to PPS	for PPS
2010	1,500				
2011	1,560				
2012	1,622			0	0.0
2013	1,687			2	0.1
2014	1,755			2	0.1
2015	1,825			3	0.1
2016	1,898			3	0.1
2017	1,974			4	0.1
2018	1,382	10%	138	9.7	0.4
2019	1,506	15%	226	15.8	0.6
2020	1,642	20%	328	23.0	0.9
2021	1,789	25%	447	31.3	1.2
2022	1,950	30%	585	41.0	1.5
2023	2,126	30%	638	44.6	1.7
2024	2,317	30%	695	48.7	1.8
2025	2,526	30%	758	53.0	2.0
2026	2,753	30%	826	57.8	2.2
2027	3,001	30%	900	63.0	2.4
				NPV	4.0

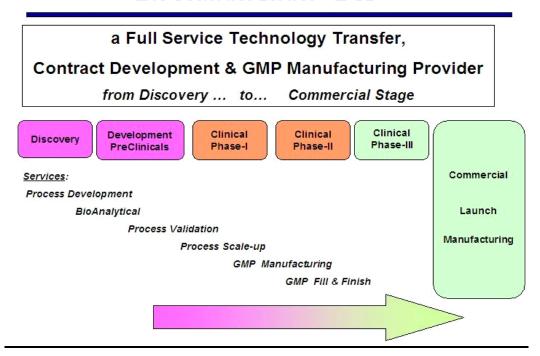
The FP7 CARE - MI program

The program was initiated by a Spanish organization specialising in heart restoration. A consortium including 18 commercial pharma companies & academic institutions was formed & a plan was submitted to the FP7 program of the European Community, the plan received high mark approved by the EU, which means full finance of the project for 5 years.

PPS role in the project is to handle the process • development & manufacturing of the growth factors IGF-1 & HGF, required for treatment of heart patients .PPS was granted 1.3 M euro & has the right to commercialize the new product which we value at 2.6 M euro presently.

THE SHLOMI MANUFACTURING PLANT – THE 2002 VISION

BioContract Israel - BCI



HIGHLIGHTS OF THE SHLOMI PLANT

THE PLANT WILL BE GMP FACILITY IN COMPLIANCE WITH FDA/EMEA STANDARDS

THE PLANT WILL PROVIDE PHASE III & COMMERCIAL MANUFACTURING TO ISRAELI BIOMED COMPANIES, FOREIGN COMPANIES & PPS PORTFOLIO COMPANIES

ANNUAL INVESTMENT IN BIOMED COMPANIES IN ISRAEL IS ESTIMATED BY THE CHIEF SCIENTIST TO BE 250 M \$ IN 2010

THERE ARE AROUND 200-300 LOCAL BIOMED STARTUPS, 40 OF THEM ARE PUBLIC COMPANIES TRADED IN TASE

4 NEW VENTURE FUNDS WHO SPECIALISE IN BIOMED WERE ESTABLISHED IN 2010 TOTALING 400 M \$

THE SHLOMI PLANT IS EXPECTED TO BE THE ONLY FACILITY IN ISRAEL TO PROVIDE THOSE SERVICES

TOTAL INVESTMENT IN SHLOMI

Investment estimate						
	Area sqm	cost per sqm		Total		
Land	11,000		10	110,000		
Building	4,400		2,525	11,110,000		
Equipment (see	list on table)			7,450,000		
Total Investmen				18,670,000		
Total investment+ 20% contingency				22,404,000		

INVESTMENT IN EQUIPMENT

List of major equipment items & price per unit						
Item	Price per unit	No of units	total			
Bioreactors & Fermen	500,000	8	4,000,000			
Steam boiler	150,000	1	150,000			
Backup generator	150,000	1	150,000			
EFI water system & pip	750,000	1	750,000			
Containers for solution	25,000	6	150,000			
automatic systems for	250,000	6	1,500,000			
Lyophilizer	350,000	1	350,000			
Autoclave	100,000	2	200,000			
Sterilization heater	50,000	2	100,000			
Dish washer	50,000	2	100,000			
Total			7,450,000			

Investment & current expenditures

Expenditures in manufacturing site				
Function	No of workers			
Overhead	17			
Operations	42			
Maintenance, Logistics & services	21			
Development & Qa & lab	32			
Total Personnel	112			
No of lines in full capacity	4			
Annual average Employer cost per worker	60,000			
Annual labor cost 4 lines	6,720,000			
Other operating costs (fuel, electricity,water)	1,250,000			
General & Administrative costs	600,000			
Equipments & replacement costs	1,117,500			
Total costs at full capacity	9,687,500			
Revenue from 1 production line. 2 cycles	4,500,000			

Investment in building &equipment 2010-2015				
Year	investment			
2010	132,000			
2011	4,713,000			
2012	7,263,000			
2013	3,333,000			
2014	4,773,000			
2015	2,190,000			
Total	22,404,000			

Cash flow forecast 2010 -2027 Shlomi manufacturing site									
			Net	No of					
		Investment	Investment	production	Total current			Accumulated	
Year	Investment	Grant	after Grant	lines	expenditures	Revenues	Annual cash flow	cash flow	
2010	132,000		132,000				-132,000	-132,000	
2011	4713000	942600	3,770,400				-3,770,400	-3,902,400	
2012	7263000	1452600	5,810,400		4,843,750		-10,654,150	-14,556,550	
2013	3,333,000	666600	2,666,400	1	6,781,250	4,500,000	-4,947,650	-19,504,200	
2014	4773000	954600	3,818,400	2	7,750,000	9,000,000	-2,568,400	-22,072,600	
2015	2190000	438000	1,752,000	3	8,718,750	13,500,000	3,029,250	-19,043,350	
2016				4	9,687,500	18,000,000	8,312,500	-10,730,850	
2017				4	9,687,500	18,000,000	8,312,500	-2,418,350	
2018				4	9,687,500	18,000,000	8,312,500	5,894,150	
2019				4	9,687,500	18,000,000	8,312,500	14,206,650	
2020				4	9,687,500	18,000,000	8,312,500	22,519,150	
2021				4	9,687,500	18,000,000	8,312,500	30,831,650	
2022				4	9,687,500	18,000,000	8,312,500	39,144,150	
2023				4	9,687,500	18,000,000	8,312,500	47,456,650	
2024				4	9,687,500	18,000,000	8,312,500	55,769,150	
2025				4	9,687,500	18,000,000	8,312,500	64,081,650	
2026				4	9,687,500	18,000,000	8,312,500	72,394,150	
2027				4	9,687,500	40,404,000	30,716,500	103,110,650	
Total	22,404,000	4,454,400	17,949,600		144,343,750	265,404,000	103,110,650		
				IRR	22%	NPV 12%	15,226,218		

Concluding remarks

Accumulated Value M \$					
SHLOMI	15.2				
NESS ZIONA	3.1				
FVIIa	7.9				
FSH	4.0				
CARE-MI	3.2				
TOTAL	33.4				

THE TOTAL VALUE OF THE 3 PROFIT CENTERS IS 32.5M \$ **ONLY 3 PORTFOLIO** PRODUCTS WERE TAKEN INTO ACCOUNT IN THE **ECONOMIC ESTIMATION** THE 3 PROFIT CENTERS COMPLEMENT EACH OTHER & RUN BY ONE MANAGEMENT TEAM THE MONEY RAISED WILL BE INVESTED IN THE MANUFACTURING PLANT