

# Solvency II compliant in 2 months:

## AN EFFECTIVE SOLUTION FOR SMALLER INSURANCE COMPANIES

The international IT consultancy company **Adastra** and the actuarial company **Tools4F** have tuned all three pillars Solvency II solution optimized for smaller insurance companies. A three-step process is all that is needed to implement the solution:

### STEP 1 IT TOOLS SET-UP

First, the set-up of calculation tools from our modular solution is agreed upon following your company needs.

### STEP 2 INPUT DATA WORKSHOP

We then give you the exact structures and a detailed description of all the input data you need. All you have to do is prepare a set of text files based on them.

### STEP 3 DATA PREPARATION ASSISTANCE AND IMPLEMENTATION OF ORSA QUALITATIVE PART

Finally, we support your data preparation and oversee a final review of the prepared data set. In addition, we consult with you and advise you on how to incorporate the qualitative ORSA processes.

After completing these steps you will have a fully featured and easy-to-use solution of the Solvency II requirements that among others:

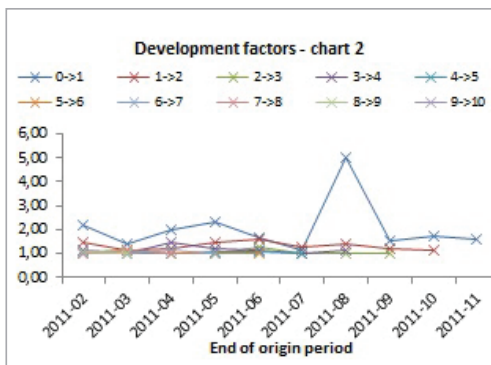
- covers all mandatory calculations and reporting
- stores all data consistently
- enables full traceability from inputs to final reported numbers
- gives you a routine process for input data preparation
- effectively solves your ORSA

Name	Variable data type	Calculation	Description (comment)
ACTUAL_DATE	date	#ACTUAL_DATE -> END_DATE	Current date
CALENDAR_YEAR	integer	Result = GetYear (ACTUAL_DATE)	Actual year
POLICY_MONTH	integer	Result = (GetYear (ACTUAL_DATE) - BEGIN_YEAR)	Actual policy month
POLICY_YEAR	integer	Result = Floor ( (POLICY_MONTH / 12) )	Actual policy year
MONTH_IN_POLICY_YEAR	integer	Result = POLICY_MONTH - 12 * POLICY_YEAR	Number of months from the last anniversary to ACTUAL_DATE
MONTH_MODELLED	integer	Result = (GetYear (ACTUAL_DATE) - BEGIN_YEAR)	Number of modelled months
CURRENT_AGE	integer	Result = ENTRY_AGE - POLICY_YEAR	Current age at ACTUAL_DATE
IFirstMonthModelled	logical	#MONTH_MODELLED = 1	True if first modelled month
IFirstPolicyPeriod	logical	#ACTUAL_DATE = BEGIN_DATE	True if ACTUAL_DATE is between begin and end of policy
IFirstPolicyMonth	logical	#POLICY_MONTH = 1	True if is first policy month
IFirstPolicyYear	logical	#POLICY_YEAR = 1	True if is first policy year
IFirstPolicyYear	logical	#MONTH_IN_POLICY_YEAR = 1	True if is new policy year (first month after anniversary)
IFirstCalendarYear	logical	#GetYear (ACTUAL_DATE) = 1	True if is new calendar year
IFirstPolicyPeriod	logical	#IFirstPolicyPeriod	True if the premium is due
RESERVE_INTEREST_RATE_M	real	#IFirstPolicyPeriod and (1 + ReserveCalendar)	Annual interest rate on the reserves
RESERVE_INTEREST_RATE_M	real	Result = Power (1 + RESERVE_INTEREST_RATE_M, #MONTH_MODELLED)	Monthly interest rate on the reserves

During the course of the project you obtain not only the tools, but also full Solvency II know-how. The implemented solution has low maintenance and can be flexibly changed or developed in the future if needed.

Learn more here at [solvency-adastra.com](http://solvency-adastra.com) and, please, do not hesitate to contact us.

	Solvency II value	Statutory accounts value
Excess of assets over liabilities	1 670 801 538	1 853 090 508
Total assets	5 823 781 538	5 882 019 354
Total liabilities	4 152 980 000	4 028 928 846
<b>A Assets</b>	<b>5 823 781 538</b>	<b>5 882 019 354</b>
IDA_Deferred tax assets	19 230 769	19 423 077
2398E_Property, plant & equipment held for own use	76 923 077	77 680 268
PPBE_FE_Plant and equipment held for own use	23 076 923	23 307 692
PPBE_RE_Real estate held for own use	53 846 154	54 384 615
33A_Intangible assets	5 385	5 438
IA_Lic_Licence	2 308	2 331
IA_Sof_Software	3 077	3 108
33B_Investments (not unit-linked assets)	4 048 280 000	4 088 762 800
41E_Equities	13 307 692	13 440 769
I.E.L_Equities - listed	10 769 231	10 876 923
I.E.U_CE_1 Common equity listed EUR	7 692 208	7 769 231
I.E.U_CE_2 Common equity listed CZK	769 231	776 923
I.E.U_CE_3 Common equity listed GBP	2 307 692	2 330 769
I.E.U_Equities - unlisted	2 538 462	2 563 846
I.E.U_CE_1 Common equity unlisted EUR	1 538 462	1 553 846
I.E.U_CE_2 Common equity unlisted CZK	769 231	776 923
I.E.U_CE_3 Common equity unlisted GBP	230 769	233 077
42I_Bonds	3 880 769 231	3 930 526 923
421I_B_GB Government Bonds	1 923 076 923	1 942 307 692



Solvency capital requirements		
	BSCR	nBSCR
<b>SCR</b>	1 899 377 582	
<b>Adonn<sub>nl</sub></b>	0	
<b>Adonn<sub>l</sub></b>	0	
<b>BSCR</b>	1 886 287 167	
<b>Operational Adj</b>	39 961 538	
	-26 871 123	
	<b>BSCR</b>	<b>nBSCR</b>
<b>BSCR</b>	1 886 287 167	1 885 723 736
<b>Non-life</b>	150 868 559	150 868 559
<b>Life</b>	368 374 274	367 932 283
<b>Health</b>	46 507 996	46 507 996
<b>Market</b>	1 702 952 030	1 702 352 030
<b>Default</b>	7 654 792	6 500 946
<b>Intangible</b>	4 308	4 308
<b>Diversification</b>	389 474 792	
<b>Non-life</b>	150 868 559	150 868 559
<b>Premium&amp;Reserve</b>	139 316 166	139 316 166
<b>Lapse</b>	43 882 692	43 882 692
<b>Cat</b>	16 548 963	16 548 963
<b>Diversification</b>	48 879 263	
<b>Life</b>	368 374 274	367 932 283

### CONTACTS:



**Adastra s.r.o.**  
Nile House  
Karolínská 654/2  
186 00 Prague 8  
Czech Republic

**Tomáš Bělík**  
Division Director  
tomas.belik@adastragr.com



**Tools4F s.r.o.**  
Masarykovo náměstí 1544  
530 02 Pardubice  
Czech Republic

**Martin Janeček**  
Managing Director  
janecek@tools4f.com