

# 2012

## TORUX Software -Risque/Value Solutions-



“In 2007-2011, Torux Software clients used our services to **improve the quality** of their Risque/Value implementation and at the same time **meet their pressing cost-cutting targets.**”

“In 2012, our goal is to change Risque/Value consulting to a more **collaborative service-oriented** model, enabling clients to further reduce their bills.”

Thanos Koukoutsakis  
(Director)

# TORUX Software

**THE** experts in Financial Derivatives Software & **Risque/Value**

**Top-quality resources placement PLUS Full project accountability**

**Torux solution -> Lower head-count + Increased capacity + Global coverage**

## Company Profile

- Offices in UK (London '07), India (Pune '07), Greece (Athens '11)
- Total Strength of approx. **20 permanent employees** and **25 affiliated contractors**
- **Global Coverage** (Europe, Asia, Americas)
- The top **Risque/Value** expertise
- Consulting **on-site & outsourcing**
- The only consultancy offering **full-cycle implementation and project accountability**

## Services (Risque/Value)

- ✓ **Project Management** (Full project coverage and accountability)
- ✓ **Toolkit/API Development** (C++, C#, VBA, PL/SQL), Support and QA
- ✓ **Risque/Value Business Analysis**, Architecture/Design, Technical Analysis and Functional Support
- ✓ **Risque/Value Version Migration** (Toolkit migration, regression testing, data reconciliation)
- ✓ **Support, 18hours/day coverage** (Risque/Value & Toolkit/API Code real time support and immediate bug fixing)

## Client Base

ING, Barclays Capital, Royal Bank of Canada, AXA, Henderson (former New Star Asset Management), Northview Services, Arqaam Capital, etc.

[www.torux.net](http://www.torux.net)

email: [info@torux.net](mailto:info@torux.net)

phone UK: +442075548572

phone India: +912040111050

## Resources Profile

- **Thanos (Director)**: Former Head of Sophis Toolkit Services in UK/USA, PhD (Theoretical Physics), MBA (Finance)
- **Project Managers**: 8+ years **Risque/Value**. Some worked for Sophis and/or Prince2 certified
- **Financial Engineers**: Strong experience in Toolkit/API (C++, C#, VBA, PL/SQL) and Financial Derivatives. Graduates from top Indian (IIT) and European Engineering Universities. Many former Sophis employees
- **Business Analysts**: Up to 10 years **Risque/Value** BA experience and Front Office Consultants, MBAs, some former Sophis

## Sample Projects

- Integration of 35+ pricing models
- Portfolio Columns, Extractions, Live auto-refreshing GUIs, Reports and Instrument&Trade interfaces
- Version-migration and application support
- Web-services
- Complex Scenarios, market data shocks and simulations
- WPF/C# Limits&Rules and other monitoring tools

Address UK: Hamilton House, Mabledon Place, Bloomsbury, London, WC1H 9BB, UK

Address India: Suite # 2, Vatika Business Centre, Level 5, C Wing, Panchshil Tech Park One, Airport Road, Yerwada, Pune – 411006, Maharashtra, India

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## Case Studies

### **a) Henderson (former New Star Asset Management): Dashboard XML Extract**

We built a Toolkit extract of positions and performance indicators from Value to XML, which fed to traders' Excel through a web service. The alternative to Torux solution would have cost 30k higher and the client feedback was: "lower cost comparing to other solutions and highly satisfactory service".

### **b) Royal Bank of Canada Capital Markets: Auto-refreshing Cross Entity Aggregation tool**

We built an auto-refreshing Risque toolkit application that aggregates positions in books across different entities and displays them in the standard portfolio window, maintaining all the out-of-the-box Risque functionality. Development by internal resources would have caused a two/three month delay, due to lack of available resources and would have cost 36k more. Our ability to quickly assemble a team of experts (toolkit developers, BAs and testers) made a huge difference.

### **c) UK tier-1 Investment Bank: Risque Version Migration**

We managed the migration of the Pricing and Risk/Scenarios stream of the client's Risque migration, resolving highly complex quant issues.

### **d) UK tier-1 Investment Bank: Consulting on Pricing and Risk Model Matching**

We currently offer a strong quant-oriented team with Risque expertise to resolve the client's Price/Greeks mismatches. The project is implemented in London, Athens and Pune resulting in savings of approx 11k per month.

### **e) AXA Paris-Brussels: Consulting from India (remotely)**

Our Toolkit consultant worked for the completely satisfied client remotely (using remote access and Citrix), from our site in Pune (India), at a lower rate. We estimate that the client saved 8k per month.

### **f) Northview Services Ltd: Expert resourcing**

The Cayman-based client was in direct need of a resource with a combination of project management, business and technical Value skills, ready to relocate. We used our experience to not only help the client more clearly define his needs, but we also very quickly provided a resource that perfectly matched the role.

### **g) UK Hedge Fund: Application Support**

We provide Value functional /technical Live and EOD support daily between 4am and 10pm. Comparing to their previous support solution the client reduced their bills by 14k per month.

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