## FRANK RAY Consulting

Business Analysis. Solution Design.

## Service Offering

#### **Software Requirements**

Business requirements, user needs, technical constraints, regulatory and compliance

#### **Prototyping and Validation**

Wireframes, technical proof-ofconcepts, vendor evaluations etc

#### **Technical Solution Design**

Sufficient to provide guidance and support implementation

Build-vs-Buy Decision Vendor Procurement Software Development Systems Integration

# Requirements Traceability & Assurance

Ensuring requirements are fully satisfied and software works as expected

### Best practices for software requirements

#### What the research says

#### Requirement issues are common place [1]

- Incomplete or hidden requirements
- Inconsistent requirements
- Unclear non-functional requirements
- Communication flaws between project and customer
- Communication flaws with the project team
- Difficulties separating requirements from previous solutions

#### Software development is highly tailored [2]

- Software engineering is highly applied across a very large range of situational contexts
- No one software development process or set of practices is universally suited to all software development settings
- Most project disciplines show a clear trend towards an agile implementation

#### What to do about it

#### **Software requirements**

- Clear and unambiguous
- Validated with the right stakeholders
- Provided at the right time
- Provided in the right format
- Provided at the right level of detail

#### Software requirements process

- Responsive to the customer needs
- Responsive to the business stakeholders
- Responsive to the technical team
- Founded on agile practices
- Embedded as the way of working

<sup>[1]</sup> Naming the Pain in Requirements Engineering, a globally distributed family of surveys on Requirements Engineering practices and problems. source

<sup>[2]</sup> What Makes Agile Software Development Agile?, a large-scale international survey to investigate software development methods. source