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-of-concepts, vendor evaluations etc

Technical Solution Design
Sufficient to provide guidance and support implementation

Requirements Traceability & Assurance
Ensuring requirements are fully satisfied and software works as expected

Build-vs-Buy Decision

Vendor Procurement

Software Development

Systems Integration
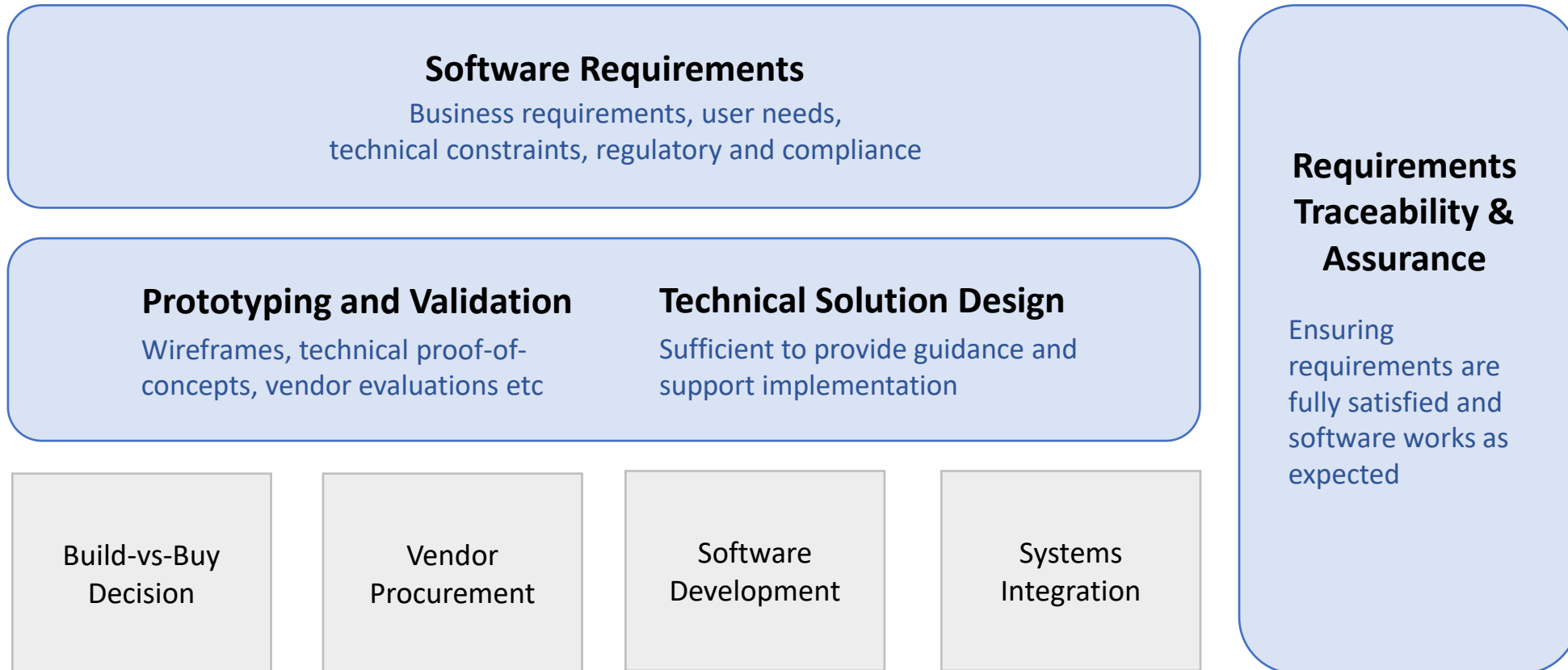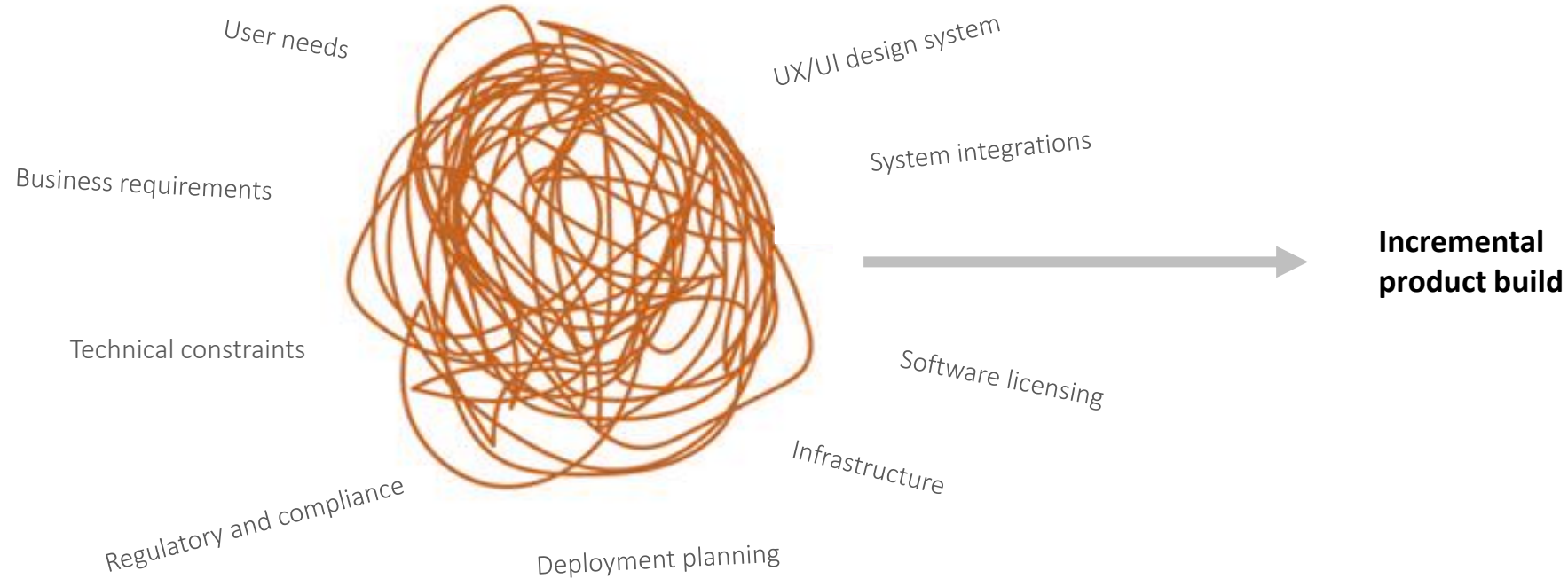
Core service proposition   Supported activities   *(nb. an agile approach is assumed by default)*

Building a new software product is complex, messy and time consuming

And sometimes even experienced teams have trouble knowing where to start

User needs

UX/UI design system

System integrations

Business requirements

Incremental
product build

Technical constraints

Software licensing

Infrastructure

Regulatory and compliance

Deployment planning

Our carefully developed initial product backlog will ensure all your team members know exactly what to do

And our retained support will keep it that way

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

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

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