Ditch Dynamics

Invest in Low Code & RAD

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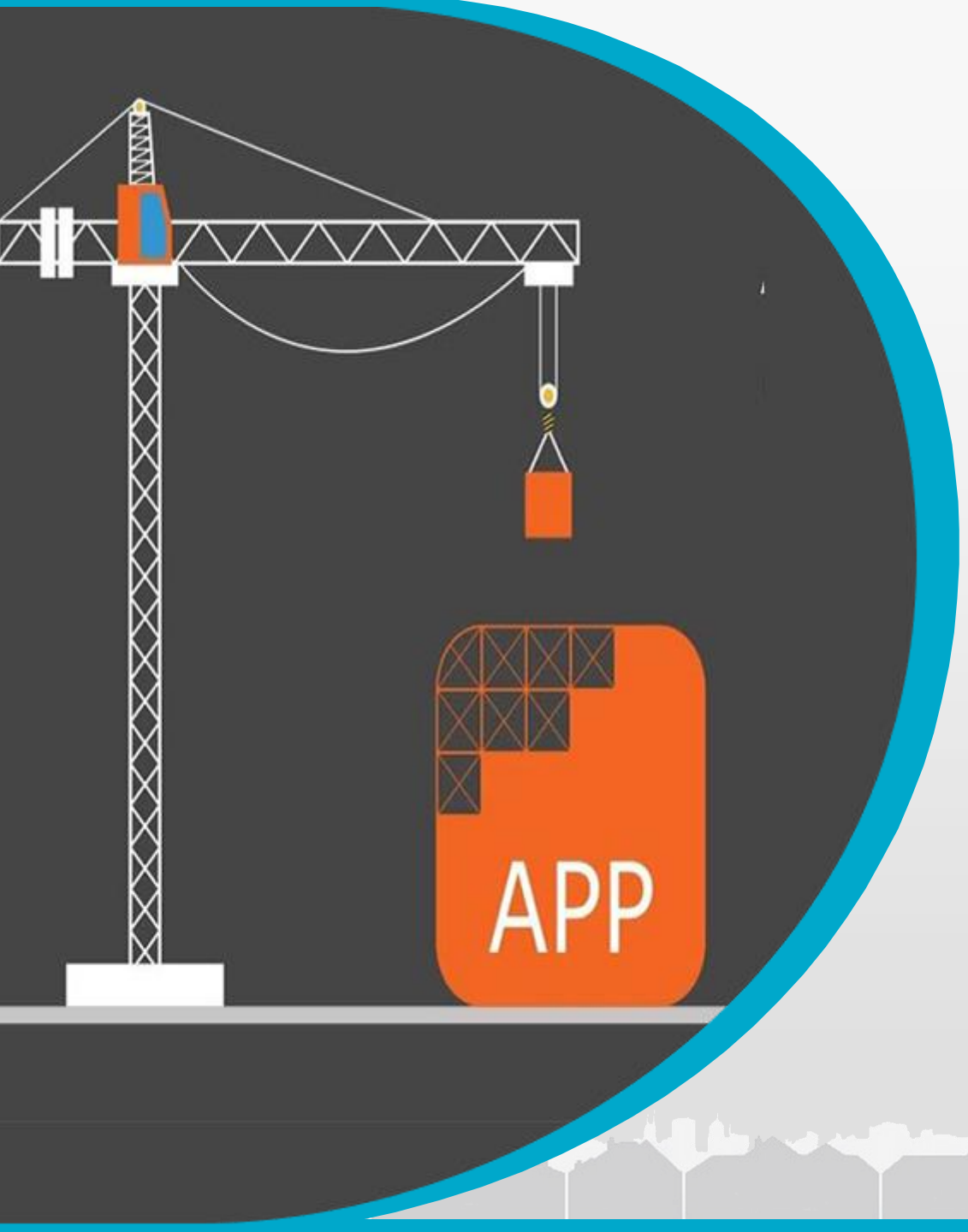
7th March 2018

Disruptive technologies

Low code/no code, more disruptive than you think..

Gartner predicted that market demand for mobile app development services will grow at least 5x faster than internal IT capacity to deliver



Low code & RAD

- Low-code is a way to design and develop software fast and with minimal hand-coding. It enables skilled people to deliver value more quickly and more reliably
- Rapid application development is an incremental model. In RAD model the components or functions are developed in parallel as if they were mini projects. The developments are time boxed, delivered and then assembled into a working prototype

Who we are

- First ever voluntary transfer in 1988
- Grown from 4,635 to circa 14,000 homes
- London and the South East
- 34 local authority areas
- Operating margin > 40%

To make the very best use of our resources so we can provide new affordable homes and a fair deal for existing residents

And our people

- New Chief Executive in 2015
- Ripple effect across EMT and organisation
- 450+ staff
- Small longstanding IT Team
- 110 technicians, DLO
- Julian Ashby, Chair April 2018

New Corporate Strategy for 2018

Business drivers

Then

- Respond to frequent legislative/regulatory changes
- Competitively priced
- Productive development environment

Now

- Respond rapidly to change
- Drive value for money
- Leverage our integrated housing management, finance, web and mobile applications
- Single development expertise

LANSA

- Single low code development platform
- Fast agile application development
- Integrated Development Environment generates client-side, server-side & everything in-between
- Component based, written in C, C++ and Javascript

Small teams can develop and maintain multiple enterprise applications

BARRATT
DEVELOPMENTS PLC
BUILDING EXCELLENCE
SINCE 1958
60 YEARS

Nationwide
Accident Repair Services

morphy richards

Llywodraeth Cymru
Welsh Government

LANSA

30 years
8000 customers
65 countries

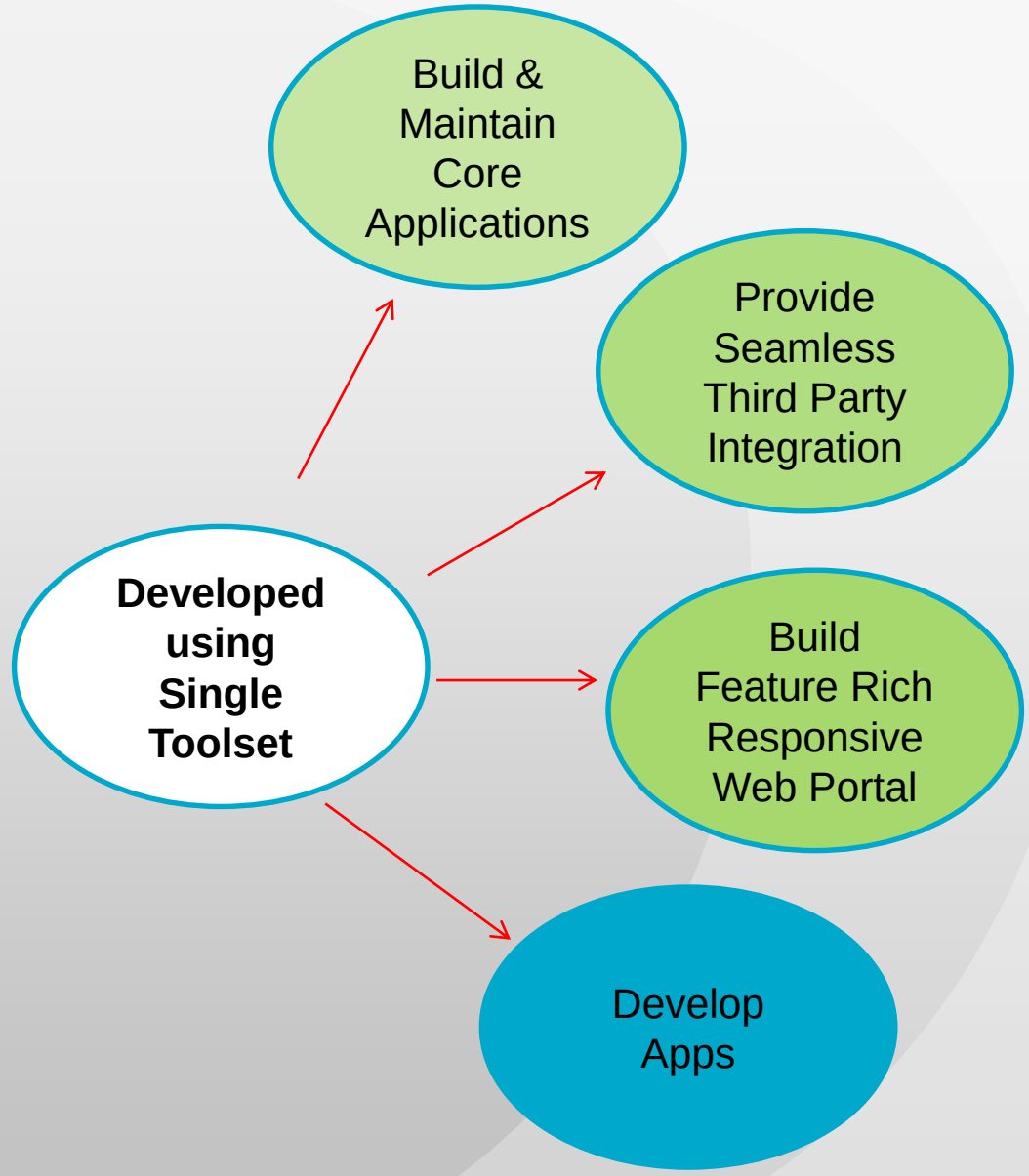
DAF
A PACCAR COMPANY

LLOYDS
BANKING
GROUP

NSPCC
EVERY CHILDHOOD IS WORTH FIGHTING FOR

SIEMENS
Siemens Financial Services

Our LANSA implementation

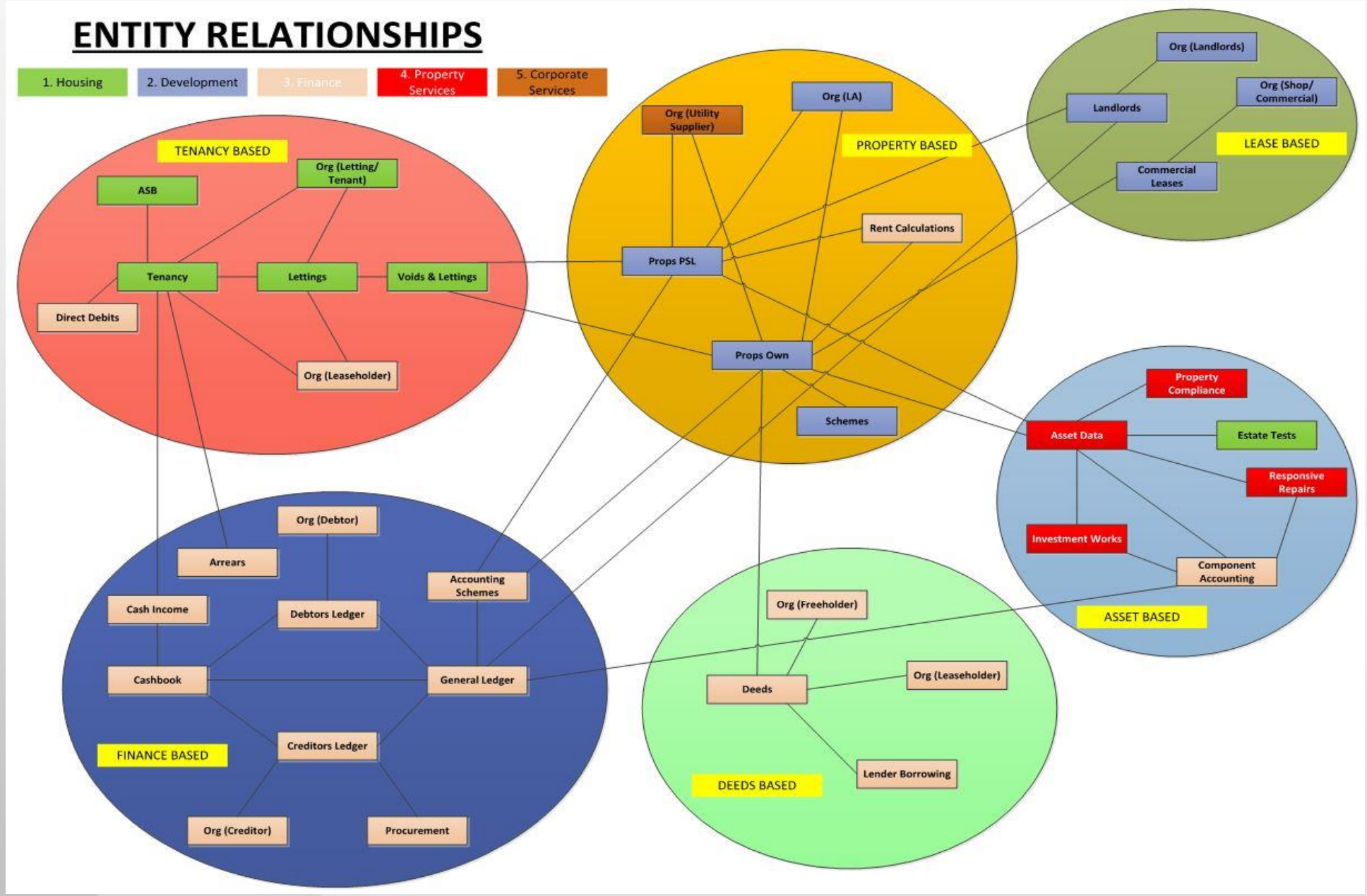


- Core Housing Management and Financial Applications
- Housing Document Management
- Customer Relationship Management
- Customer Web Portal
- Mobile Field Service i.e. Repairs App
- Stock Condition Survey
- Developing Gas Safety App

Our Journey

1999	2000	2003	2005 - 2007	2008	2016	2018
Document Management for Customer Management	Built Visual LANSA enquiry screens over commonly used legacy screens via Windows interface. Integrated with Outlook	Replaced financial package with in-house developed finance application	Started rolling out replacement of legacy housing management system with 2 developers. Used LANSA Integrator to automate the exchange of property repair & maintenance	Frameworks extended to support new business functionality e.g. Asbestos register etc.	Built mobile solution for 110 technicians Built a replacement customer portal	FRA functionality delivered LGSR app being built Pre-tenancy checks next

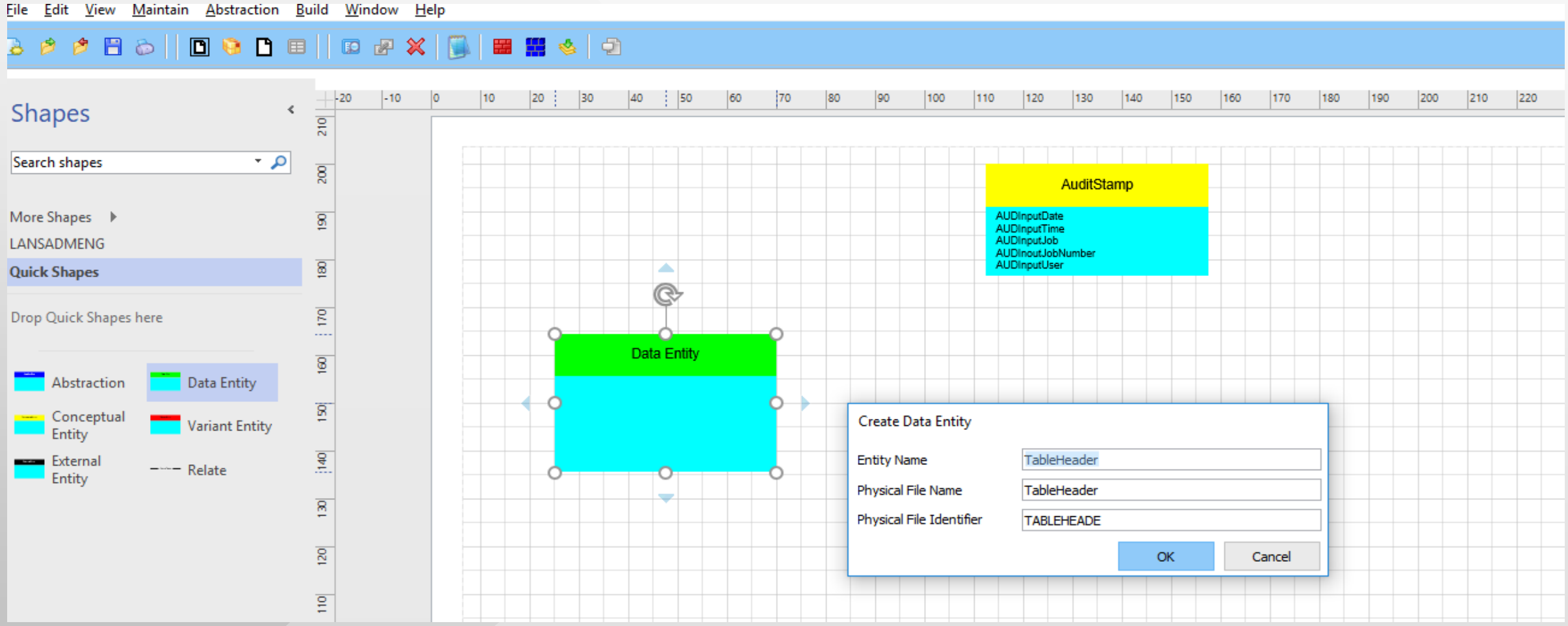
ENTITY RELATIONSHIPS



Our Approach
Landlord Gas Safety Record

- Engaged business sponsor
- In-house development team
- Functional specification, business signoff
- Technical specification, detailed plan
- 3 main component parts, web, database & certificate
- Unit testing - business analyst
- User testing - system and process manager

LANSA data modeler



Where are we now

- Fire Risk Assessment– pre-Grenfell audit
  delivered primarily by a developer new to LANSA
- LGSR – Landlord Gas Safety Record
  currently in development, due for completion 03/18
- Customer Portal enhancement
  include Gas Safety certificate
- Pre-Tenancy Checks
  ‘Tenant Deal’ Commences 04/18
- 3 change requests and 15 bugs (14 resolved since last November)

Learning along the way

- Single skillset
- Value for money
- Within our control
- Competitive edge
- Enhancing business ownership
- Adopting IT best practice

- Lack of LANSA skills in UK
- Single point of failure
- Talent attraction and retention
- Lack of business ownership (changing)

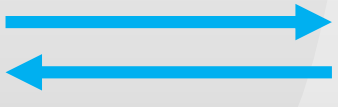
What our people say…

Paradigm had the choice of so many languages but had so little time

HTML, JavaScript, CSS, jQuery, Bootstrap, etc.

AJAX, JSON, XML, Web Services, Web Sockets, etc.

Java, Node.js, CGI, Ruby, PHP, etc.



Browser Client

Internet

Web Server

So we use one language all the time

LANSA LANSA LANSA

Browser Client

Internet

Web Server

Any Questions?