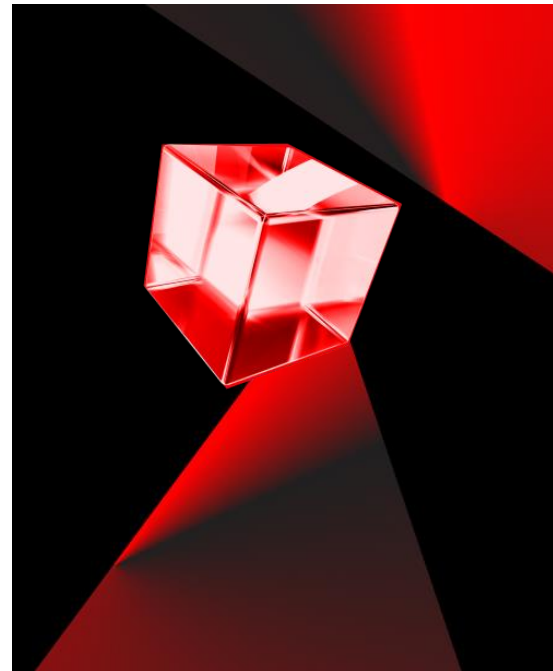


# Ispirer Systems. Migration to Oracle

Ispirer Systems is an international software company that provides the business worldwide to improve IT infrastructure.

Backed by **25+ years of migration expertise**, we do it through the automation of legacy transformations with seamless database migrations, application conversions, expert services for unstoppable digital evolution.



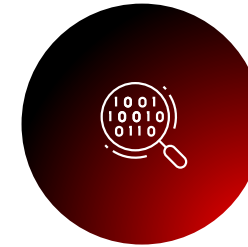
*Complete ecosystem for database and application migration.*



1000+ customers worldwide



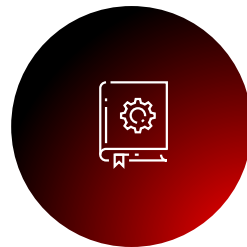
6,000+ hrs saved per month due to automation



180+ million converted lines of code



1500+ completed projects



25+ years in the IT market



85+ full-time employees



*We empower businesses with intelligent IT solutions!*



## Free InsightWays for database assessment

- Size the effort;
- Understand the complexity level of the code for automated conversion;
- Forecast the efforts needed.



## SQLWays for database migration

### Migrate:

- Tables & data;
- All types of SQL objects (procedures, functions, etc).

Migrate to **Oracle on-prem or OCI** from **DB2, Informix, Sybase, PostgreSQL, Microsoft SQL Server, Teradata, etc.**



## CodeWays for application & ESQL code conversion

- Convert legacy applications (Delphi, COBOL, PowerBuilder, VB, etc.) to Java and .NET;
- Convert embedded SQL code inside application to get it work with the Oracle database.



## ServiceWays for fully-managed services

### Get turnkey solutions for:

- Database to database migration;
- Application to application conversion;
- Database business logic to application layer conversion.



*Your choice, your way – pick the  
right path for your business!*

Tool licensing  
Your choice if:

Fully-managed service  
For business that:

- ✓ You want full control over the process.
- ✓ Your team has migration expertise.
- ✓ Lower cost for repeated migrations is crucial.
- ✓ Long-term tool for multiple projects is life changing.
- ✓ Security restrictions for external resources involvement.

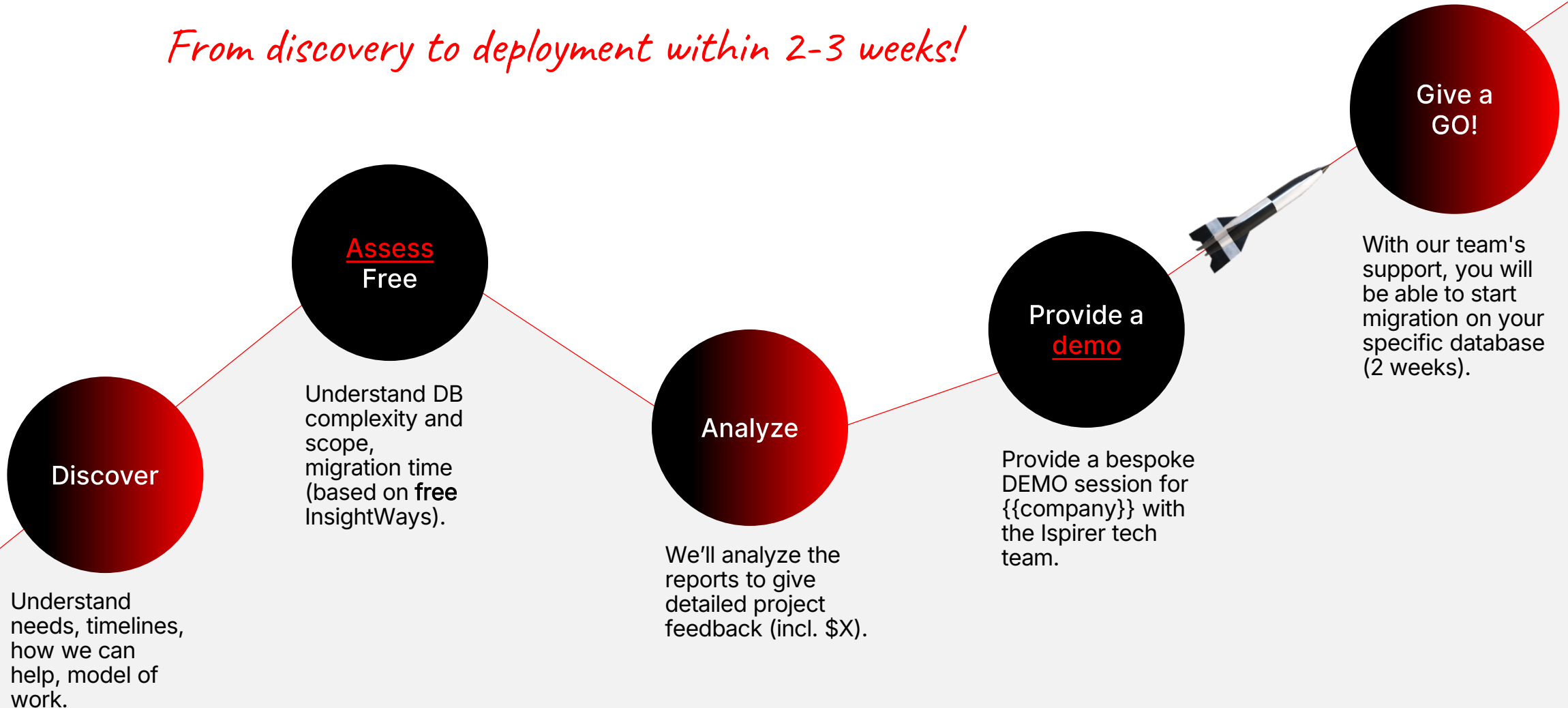
**Pricing policy:** project-based.

- ✓ Have tight deadlines and no idea what to do.
- ✓ No or limited in-house migration team.
- ✓ Need end-to-end expert support in migrations.
- ✓ Need quick results, expert execution, predictable timelines.
- ✓ Hard to manage migration process.

**Pricing policy:** fixed price or T&M. For more details, reach out to your Ispirer sales manger.

# Tool Licensing model workflow

*From discovery to deployment within 2-3 weeks!*



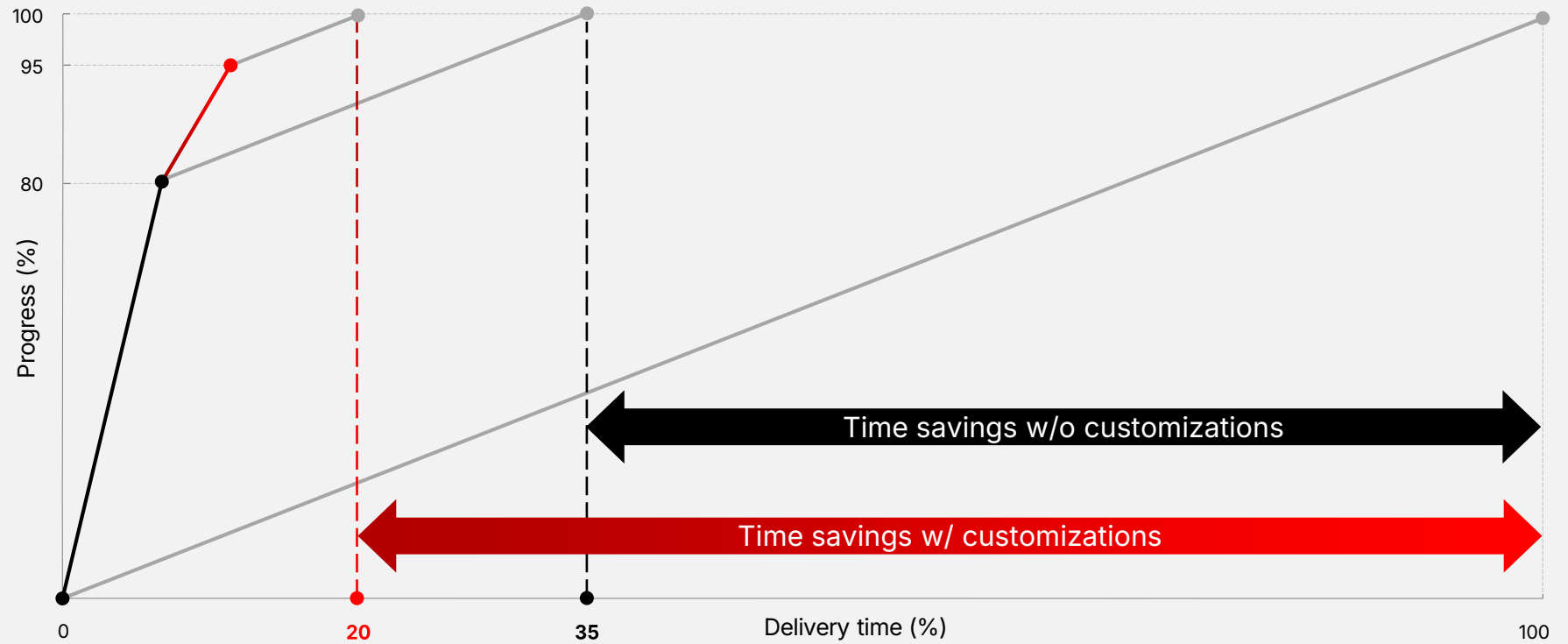
# Tool Licensing model workflow

Ispirer tools for automated migration: **SQLWays** and **CodeWays** can further be customized during the licensing period to ensure the optimal level of automatic conversion and reduce project timelines & costs.

- Manual migration
- Using Ispirer Tools
- Ispirer Tools customization

Manual conversion speed – 300-400 lines of code per day per developer.

Conversion speed after using the software – 3-5K lines of code per day per developer.



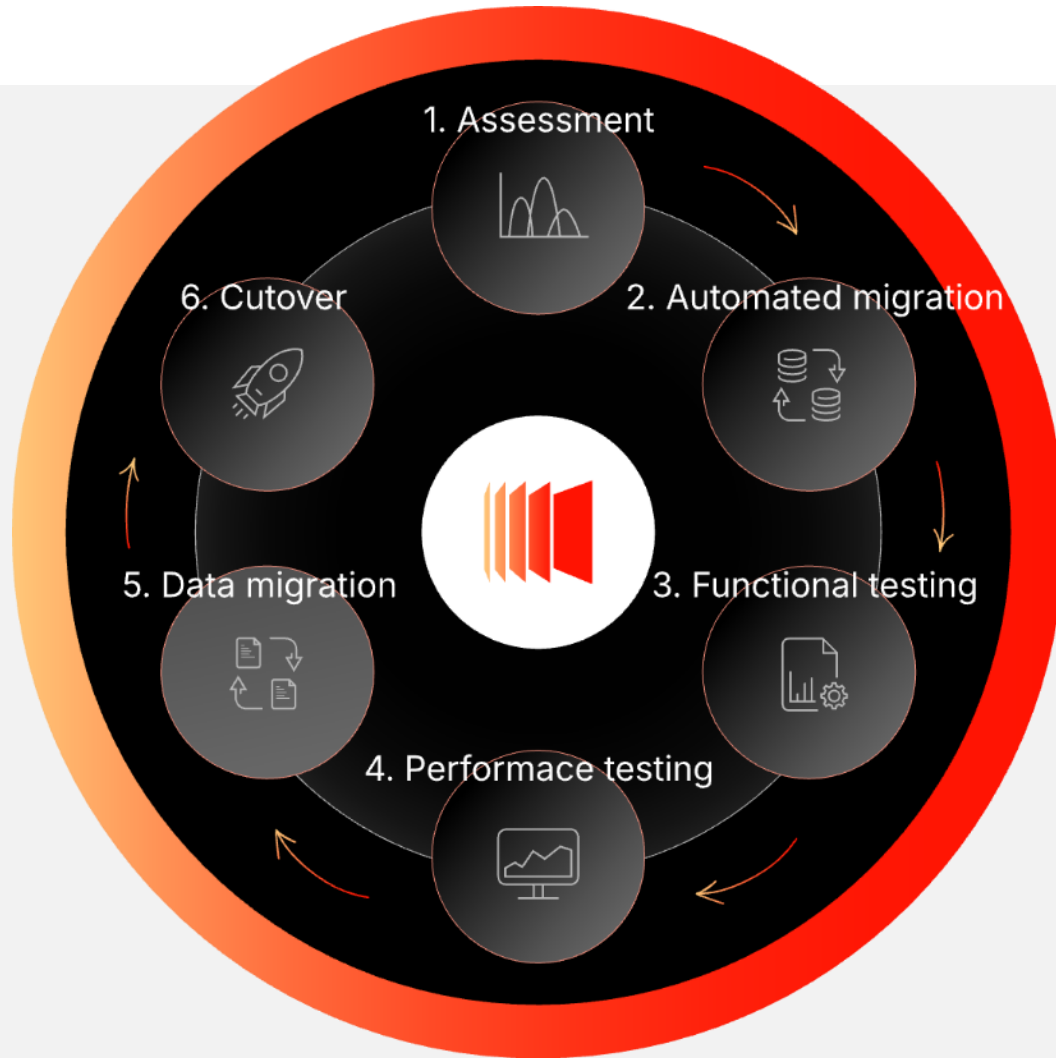
# License Pricing Plans for Database migration

Choose a **plan** that's right for you!

Basic		Standard		Enterprise		Ultimate	
Total SQL objects (max):	500	Total SQL objects (max):	1000	Total SQL objects (max):	2000	Total SQL objects (max):	2000+
Machines:	3	Machines:	5	Machines:	10	Machines:	Custom
Customizations:	2	Customizations:	5	Customizations:	10	Customizations:	Custom
Support:	Production	Support:	Production	Support:	Production	Support:	Production
Duration (months):	5	Duration (months):	6	Duration (months):	8	Duration (months):	12
Connection:	Online/Offline	Connection:	Online/Offline	Connection:	Online/Offline	Connection:	Online/Offline
Price per one:		Price per one:		Price per one:		Price per one:	
Table:	\$2.7	Table:	\$2.4	Table:	\$2.1	Table:	Custom
View:	\$4.5	View:	\$4.0	View:	\$3.5	View:	Custom
Stored procedure:	\$7.2	Stored procedure:	\$6.4	Stored procedure:	\$5.6	Stored procedure:	Custom
Function:	\$7.2	Function:	\$6.4	Function:	\$5.6	Function:	Custom
Trigger:	\$7.2	Trigger:	\$6.4	Trigger:	\$5.6	Trigger:	Custom
User defined type:	\$3.6	User defined type:	\$3.2	User defined type:	\$2.8	User defined type:	Custom
Measured line of code:	\$0.05	Measured line of code:	\$0.045	Measured line of code:	\$0.040	Measured line of code:	Custom
GB:	\$3.75	GB:	\$3	GB:	\$2.5	GB:	Custom

Conversion of synonyms, rules, defaults, exceptions, events, user accounts\*, sequences we give you for **FREE!**

# Fully-managed Professional Services



## 1. FREE Assessment

- ✓ Obtaining access;
- ✓ Project discussion;
- ✓ Making migration plan;
- ✓ Creating statement of work.



## 2. Automated migration

- ✓ Database schema conversion;
- ✓ All application changes (API, embedded SQL, moving some logic to application layer).



## 3. Functional testing

- ✓ Creating snapshots with the same data;
- ✓ Testing application and database on snapshots;
- ✓ Fixing all logical issues.



## 4. Performance testing

- ✓ Performance testing;
- ✓ Converted code review;
- ✓ Code refactoring;
- ✓ Extra code optimization.



## 5. Data migration

- ✓ Data migration tests;
- ✓ Data integrity tests;
- ✓ Prod data migration.



## 6. Cutover

- ✓ Switching database and application;
- ✓ Providing user access;
- ✓ System startup.

Fixed price and T&M model.





# Case study: financial services provider reduced migration costs by 5 times

## Project summary

**Country:** Hungary

**Customer:** Loxon

**Technologies:** SQL Server, Sybase IQ, Oracle

**Project scope:** 14 databases

**Duration:** 2 months of customization + 4 months Ispirer Toolkit license

**Engagement:** Ispirer Toolkit license, customization of Ispirer Toolkit

### Challenge:

- Separate maintenance of different databases was required, making the process inefficient;
- Lack of sufficient expertise in SQL Server and Sybase IQ made it difficult to maintain the databases;
- Tight deadlines rendered it impossible to migrate databases manually, as it could lead to downtime and affect business processes.

### Solution:

Customization of Ispirer Toolkit, including improvements:

- Conversion of LOCATION statement (connection to remote servers), including cases of dynamic code (Sybase IQ to Oracle);
- Proper conversion of RETURN N (where N is integer) to use it in Oracle procedure (Sybase IQ to Oracle);
- Conversion of column NAME of system table sys.tables (MSSQL to Oracle) improved coalesce conversion (MSSQL to Oracle).

### Outcome:

- Combined all former SQL Server and Sybase IQ databases into a single Oracle database;
- Achieved a 6-month migration timeline with 92% automation;
- Reduced costs by 3-5 times through automation compared to manual database migration.

# Case study: from Sybase ASA to Oracle: how automation simplifies the transition

## Project summary

**Country:** United States

**Customer:** Computer technology company

**Technologies:** Sybase ASA, Oracle

**Project scope:** 360,000 lines of SQL code

**Duration:** 6 months

**Engagement:** Ispirer Toolkit license

### Challenge:

- The outdated database hindered business growth;
- Maintaining legacy database became financially unsustainable;
- The database could not handle the increasing workload effectively.

### Solution:

The migration from Sybase ASA to Oracle is highly automated with SQLWays Wizard. To achieve full conversion, Ispirer experts made two minor adjustments:

- **Stored procedure declarations.** Parameter migration enhancement in stored procedure declarations ensured the accuracy and reliability of critical business logic;
- **Schema exclusion in function calls.** The exclusion of functional calls was essential to eliminate compatibility issues.

### Outcome:

- Reduced the operational costs related to the outdated Sybase ASA database;
- Migrated the database in 3 months with maximum automation;
- Reduced migration costs twice with SQLWays Wizard.



# Ispirer Systems. Contact us



Elizaveta Shavel

  [elizaveta.shavel@ispirer.com](mailto:elizaveta.shavel@ispirer.com)

 [www.ispirer.com](http://www.ispirer.com)

 [+372 610 4210](tel:+3726104210)

