TxiS Introduces

the

Next 50 Years’
Technology Exchange Paradigm
Underlying Facts
West of Austria

Technology Demand
Technology Source Availability

QTY

Time

Today
Trend
West of Austria

Technology Demand

TxlS’s & Market Space

QTY

Today

Technology Source Availability

Time
Legacy Concept

STATIC

“Bldg” Output = No of People x Experience
Add Them Up…

The “Building Concept” is not working very well.
From Static to Dynamic

STATIC

In DB:
Faculty, Department
Professor Level

DETAILED
“BUILDING”
INFORMATION

DYNAMIC

Client's
R & D
Department
From Static to Dynamic

STATIC

DYNAMIC

Client's R & D Department

Managed,
Project Specific,
Just-in-time, Dynamic
Expert Groups
TxIS Model

STATIC  DYNAMIC

Client's R & D Department

TxIS

18,000+ Professors
2,000+ Departments
200+ Universities
Basic Arithmetic

- Decreasing pool of technologists
- Increasing number of problems
- Available funding
- Restrictions on IP Transfer

Austria

- Approx. 500,000 brilliant technologists
- Available test facilities w/state of the art equipment
- No funding
- No meaningful projects
- No restrictions on IP Transfer
TxIS Organization

Dallas HQ
- Database Organization
- Search Engine
- Consulting Matrix

Houston Office

Dubai Office (1Q ’13)

Aberdeen Office (4Q ’13)

Energy and Mining Industries

50+ Clients

9 TxIS Field Offices
18,000 Technologists
200+ Universities
2,000+ Departments and Faculties
800+ test labs
TxIS Governing Body

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TxlS looks at a project based upon disciplines. “A corrosion is a corrosion”

- Develop a product or a component
- Find a solution
- Find a new innovation
- Test

“We have a problem, but OEMs don’t want to finance the development of the solution”

“OEM test has one data, our experience shows another”

In-house engineering problems

Better technology, more market

Combination of all problems

Market

>$500M CLIENT

Just-in-time assistance with missing disciplines

<=$500M CLIENT

Put them at par with large companies
Applications

Projects

- Performance Problems
  - Vendor’s Spec.
  - Known problem / unknown solution
  - In-house problem (corrosion)
  - Trouble shooting (welding)

- New Equipment Design
  - Partial or turn-key research or design

- New Material
  - Turn-key research and design

- Testing
  - Hydraulic filter & hydraulic oil (normal and bio-degradable) compatibility test
  - Tube connector test

Projects

- New Equipment Design
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Testing

- Hydraulic filter & hydraulic oil (normal and bio-degradable) compatibility test
  - Tube connector test

Piston overheating

- In-line tensioner coating

Aluminum corrosion

- Alloy welding

Valve redesign

- New BOP platform,
- Well off-balance detection
- BOP Control / FTA
- Torque sensor

Artificial frac sand

- High-temp completion fluid
- New Teflon

Testing
Inside the Project

**TxIS Management**

**Engagement**
- Project taken only if sufficient engineering and project management power available
- Tight NDA and Non-Circumvention are maintained

**Learning the Project**
- Short Learning Curve (not longer than own team)

**Assemble the Team**
- Back-up team, Parallel Development or Testing

**Introduce the Team**
- Open communication between parties

**Do the Project**
- Weekly Reporting
- TxIS is responsible for delivery

No language problem
## Inside the Project

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<thead>
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For the duration of the project, we become your team.
EXPAND OUR CLIENT’S CAPABILITIES

To desired **Directions**

Providing desired **Expertise**

Utilizing desired **Facilities**

Providing adequate **Management**

In a true **Just In Time** paradigm
Your engineering lab will always “consist” of the best minds in the business with specific knowledge of the problem.
Value We Add

- Your engineering lab will always "consist" of the best minds in the business with specific knowledge of the problem.

- We augment your talented engineering group.
Value We Add

- Your engineering lab will always “consist” of: the best minds in the business with specific knowledge of the problem

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- You had a team of 300 engineers.... Now you have 18,300
Value We Add

- Your engineering lab will always “consist” of: the best minds in the business with specific knowledge of the problem
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- You had a team of 300 engineers....
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- Project length:
  Between 1 day / 4 years
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You had a team of 300 engineers….
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Project length:
Between 1 day / 4 years

40% faster time-to-market
30% lower cost
Your engineering lab will always “consist” of: the best minds in the business with specific knowledge of the problem.

We augment your talented engineering group.

You had a team of 300 engineers…. Now you have 18,300.

Project length: Between 1 day / 4 years.

40% faster time-to-market
30% lower cost

You own the Patent rights.
Your engineering lab will always “consist” of: the best minds in the business with specific knowledge of the problem.

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“If we did not deliver...

..We refund.”
Thank You

www.txis.us