

Agenda



Transactional and Asset Management Services

Due Diligence Services

Some Examples





ARCADIS Company Profile

 ARCADIS is an international firm providing design, consultancy, engineering & management services

In infrastructure, environment and buildings

Active in the whole value chain

- 15,000 employees
- Revenues 2009 € 1.8 billion
- Europe top 3
- Worldwide top 10

d buildings

Realization

Engineering

Design

Consultancy services

Project Development

Feasibility Studies

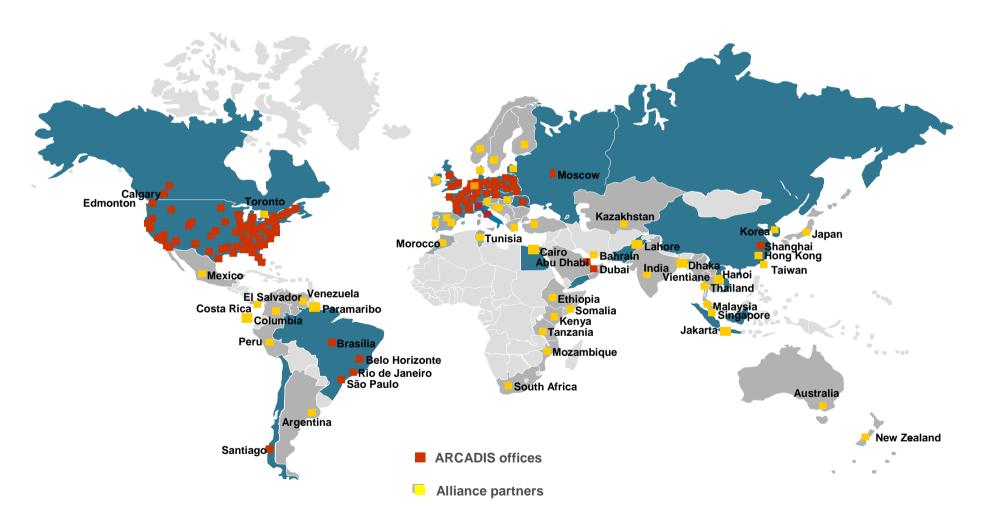
Program Consultancy
Master Planning

High level professional services for the human habitat



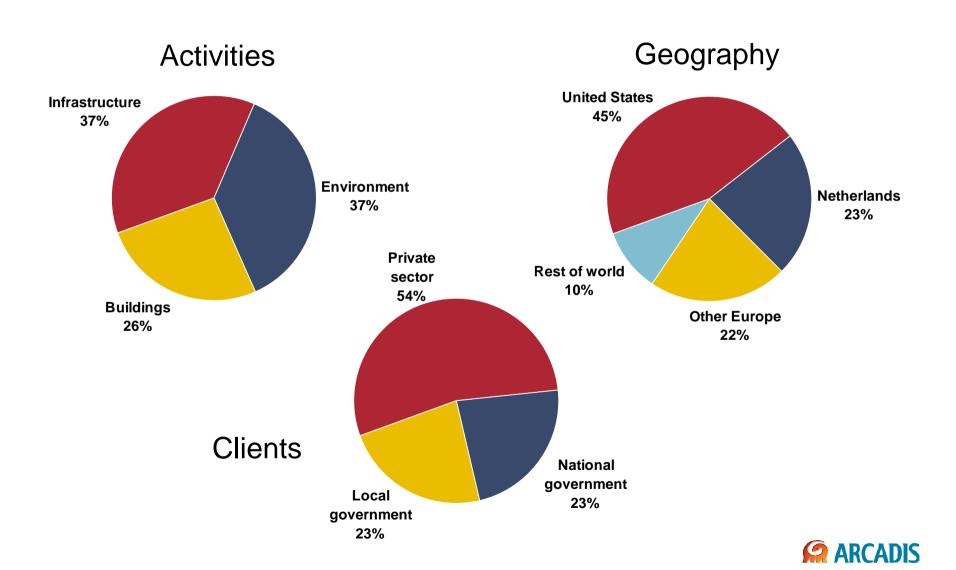
ARCADIS

Global Footprint

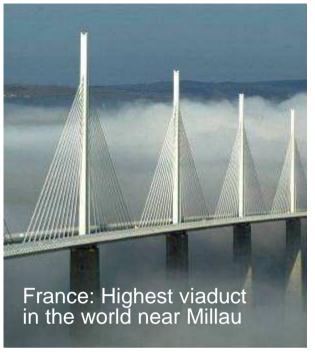




Distribution of revenues



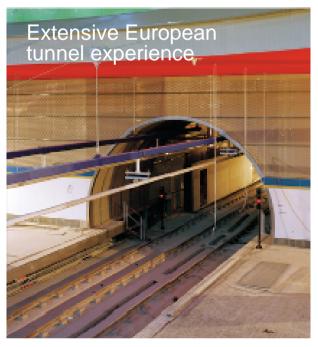




Infrastructure Specialist Rail and

Bridges/Tunnels











Infrastructure Specialist Rail and Bridges/Tunnels





Environmental Services – from a contaminated site



..... site divestment......

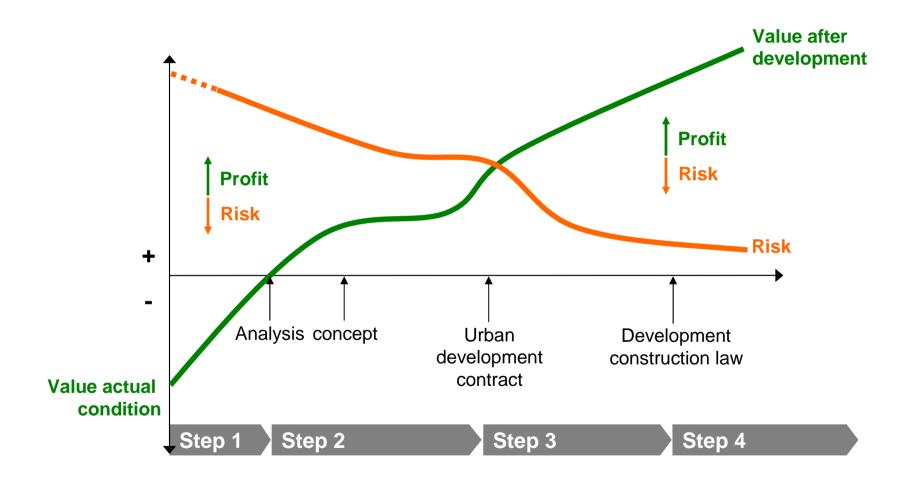


.... and redevelopment!





Transactional Services - Reduce Risks – Optimize the Added Value





What is Due Diligence?

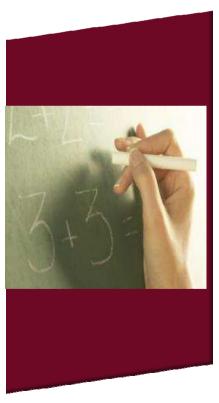
Give us a price discount for your site - and we will remediate ourselves!



- A process of systematically evaluating information to identify risks on issues relating to a proposed transaction.
- An evaluation, in financial terms, of the various critical aspects of a transaction by a group of paid advisors to the principals.
- It is a form of assurance
 - The client is putting capital at risk because they believe that the transaction will occur.



Due Diligence - Impacts on large sales & acquisitions



- Increasing need for fully integrated accounting / technical / environmental / legal Due Diligence team.
- Early involvement of environmental Due Diligence team in definition of auditable liability costs and corporate financial disclosure.
- Increased sophistication needed for environmental cost estimation strategies.
- During transactions the following DDAs may be performed:
 - Financial DD
 - Economic DD
 - Tax DD
 - Legal DD
 - Technical DD
 - Environmental H&S DD
 - etc.



What does the client do with the results?

The Client is the Buyer:

- Does he still want to do the deal (deal breakers) ?
- Can he get indemnifications for the liabilities and future costs?
- Can he reduce the purchase price because of liabilities and future costs?



- Present the site to potential buyers
- Show positive issues





Typical Issues

EHS regulations

Compliance issues

 Cost for installing/maintaining/operating of equipment or working time to be in compliance with regulations

Soil and Groundwater Contamination

Cost for investigation and remediation

Hazardous Building Materials

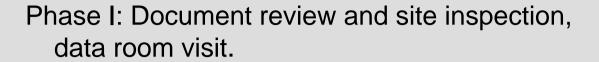
Cost for abatement

Auditor need to know regulations, e.g.:

- General permit requirements
- Air emissions, ODC (ozone depleting subst.)
- Waste water
- Waste
- Noise
- Storage and handling of hazardous materials
- Hazardous building materials (Asbestos, ...)
- Occupational H&S
- (Fire protection)
- Soil and groundwater contamination



What is Phase I, Phase II, ...



Phase II: Intrusive site investigations such as Drilling for soil and/or groundwater sampling, sampling of hazardous building materials.

Phase III: Detailed investigation of contamination identified in Phase II, e.g. delineation, identification of contamination center, extend of contamination.





(Technical and)

Environmental Due Diligence - Phase 1



Inspection of documents

- Data room
- Historical evaluation
- Non-intrusive Due Diligence (ESA Phase I)

Site visit

- Quick check incl. geotechnical assessment
- Intrusive Due Diligence (Phase II) where necessary
- Structural, mechanical and electrical, FLS

Cost Estimate for renovation / remediation or maintenance cost for continuous operation

Preparation of reports

Photo documentation









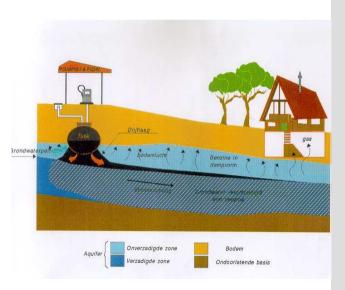






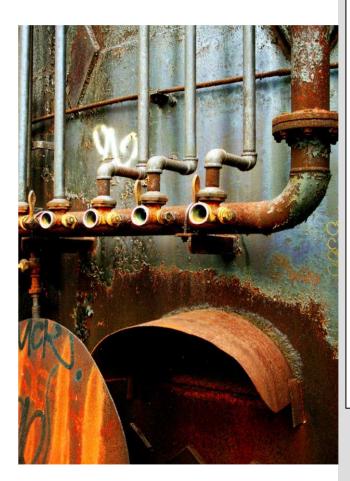


Contamination caused by former and ongoing Operations



- What potential contaminants are present? (Check hazardous material inventory)
- Leaking ASTs, USTs, sewer system, Oil/water seperator.
- Spills caused by loading or transport operations spills.
- Improper sealing of floors in storage or production areas.
- Underground installations such as pipes, channels, hydraulic and supply pipes, etc.
- In general: Everything that contains liquids can leak: Proper precautions and maintenance programs in place?

Executive Report-Format



Baubegleitendes Controlling Projekt XXX Projektnr. 9120.xxx



1 Executive Summary

	costs	deadlines	quality
Project A			
component E	•	•	•
component F	•	•	•
component M	•	•	•
component A	•	•	•
component H	•	•	•
component TG		•	6

Legende:	Without any problems	b	Problems expected	problematical	•

Costs

Entsprechend der Leistungsstandleststellung zum TT.MM.JJJJ ergeben sich voraussichtlich Restherstellungskosten für das Musterprojekt in Höhe von xxxxxxxx E. Mit dem einbehaltenen Entwicklerumsatz von xxxxxxxxx E ergibt sich eine Vertragserfüllungsbürgschaft in Höhe von xxxxxxxx E. Gegenüber dem Begehungstermin vom TT.MM.JJJJ wien großer Baufortschrift zu erkennen.

Deadlines:

Entsprechend den Bauablaufterminplänen TT./TT.MM.JJJJ für das Musterprojekt ergeben sich für das Musterprojekt keine Verzüge. Die Fertigstellungstermine der einzelnen Gewerke werden zum jetzigen Zeitpunkt als nicht kritisch betrachtet.

Quality:

Die Qualitäten sind als gut zu bezeichnen.

Hinweis: Im 2. UG der Tiefgarage sind Undichtigkeiten im Außenwandbereich aufgetreten.

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ARCADIS HOMOLA

Sample Valuation - Monitoring No. 02 Samplecity 9120.xxx

5.5 Walls

Load-bearing internal walls are constructed in in-situ concrete, Internal partition walls will be constructed in dry-lining. According to the construction programme the dry-lining work is planned to start in week 48 / end ofmm.yyyy.

5.6 Windows

All openable windows are planned as tip-tum windows with thermal insulation glazing.

The installation of the windows is planned to start at the completion of the structural shell in the middle of October.

5.7 Doors

The entrance door consists of a double leaf wind lobby door. Detailed information on the material will be produced in the course of the further working drawings. The external doors are planned to be installed starting dd.mm.yyyy. It is intended to install the internal doors in the period from dd.mm.yyy to dd.mm.yyyy.

5.8 Floors

Information on the finishings is not yet available

5.9 Fire Precaution

The fire safety concept has been requested. The building can be laddered from all sides. The recure route is secured. The approach for the fire brigade is ensured value access to the parking spaces. All other fire protection details can first be evaluated when the fire safety concept is inspected, and is dependent on the internal fit out.

5.10 Staircases

The three-flight concrete stairs with open gaps between will be constructed in precast elements. At the time of the site inspection the structural shell of the staircases were completed up to the 2nd floor level. The installation of the precast components and the formation of joints at connections have been carried out properly. All entrances are suitable for the handcapped.

5.11 Internal Finishes

Information on the finishings is not yet available.

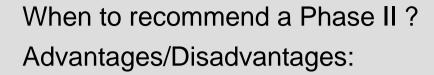
5.12 External Areas

The external works have not yet been finally awarded. A design concept is currently being developed for the area of the public pavements alongside the streets.

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Due Diligence – Phase II



- ++ Knowledge of subsoil & groundwater situation
- ++ Identification of potential contamination
- ++ Cost estimates /Cost certainty
- -- Contamination to be reported to Authorities
- -- Clean-up may have to be done





Some Rules

- Qualified technical specialists with local knowledge and sensitivity to local/national issues/regulatory climate.
- Maintain databases of projects that can be relied upon for environmental information
- Being flexible about the content and format of the environmental due diligence reports.
- Adhering to a basic set of standards for the site inspection, the records review process, and reporting.
- Rigorous quality control review by a qualified environmental professional with experience in the country where the transaction is taking place.





Team Characteristics



"Hats" which the team members must wear:

- Diplomat
- Psychologist
- Corporate Liaison
- Detective
- Lawyer
- Engineer
- Saint



Confidentiality and Conflict of Interest

Confidentiality is essential:

- to third parties
- to employees of the client and the target company



What is a conflict of interest?

- Any involvement of ARCADIS that could lead to a result that is unfavorably biased for the client.
- Check before writing a proposal.



Need an Established Structure to Compete Effectively



Delivery

- Apply top experience on all projects
- Ensure that product is consistent and advisory

Consistency

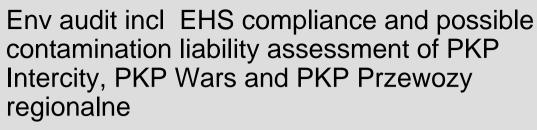
- Standard proposals
- Standard work products
- Training
- Designated responsibilities

Efficiency

- Experienced teams
- Standardized approaches
- Regionally established
- Short cycle times



Transactional Services; e.g. – Poland



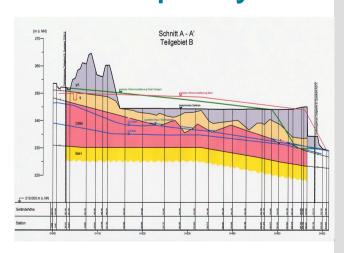
- For the privatization process (transport of people and materials):
- Assessment of all assets and sites potential contamination and env risk.
- Review of fulfillment of environmental duties directed by Polish env regulations.
- for Price Waterhouse Coopers and ING Securities S.A.

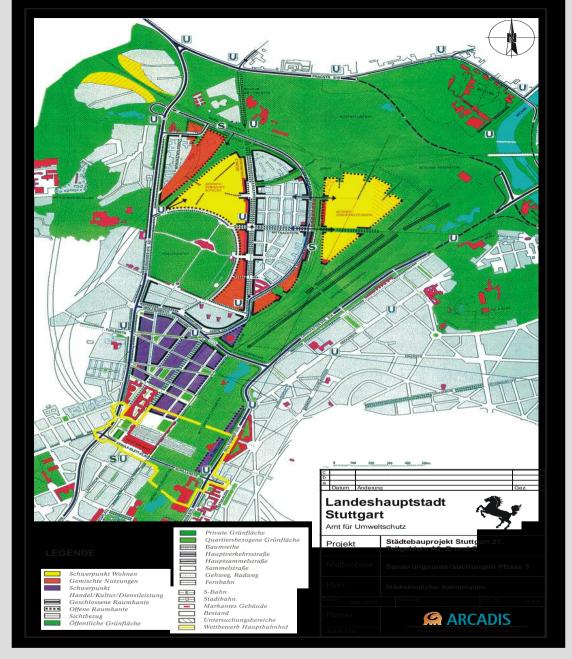
Env Compliance Report for Zakładu Naprawy Taboru Kolejowego (railway maintenance facility) GATX Rail Poland Sp. z o.o. in Gdansk, Ostróda and Płock.

 The subject was the fulfillment of the env duties, which are the consequence of the polish env regulations, both past and present.



Transactional Services; e.g. – Germany Stuttgart 21(1) Property Transfer to Municipality





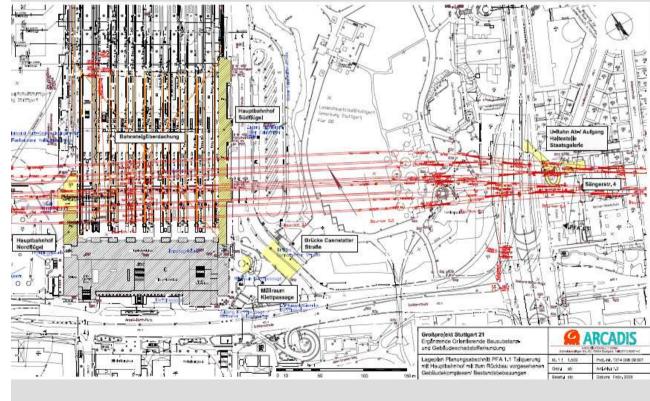


Transactional Services; e.g. – Germany -Stuttgart 21(2)

Investigation of Hazardous Building Materials









Post
Transactional
Services; e.g. –
Germany -Bad
Cannstatt



Groundwater remediation on a sold property

