

Chapter 1 : Alvarez Construction Donna Texas Homero Alvarez Concrete Contractors Near Me

Mr. Ritti is the Director of Exponent's Construction Consulting practice. He advises construction clients on a range of topics including risk management, project governance, project controls, change management, project scheduling, contract review and assessments, process improvement, change order negotiations, dispute avoidance and the development or defense of construction claims.

Business model When organizations go online, they have to decide which e-business models best suit their goals. The concept of e-business model is the same but used in the online presence. Revenue model A key component of the business model is the revenue model or profit model , which is a framework for generating revenues. It identifies which revenue source to pursue, what value to offer, how to price the value, and who pays for the value. It primarily identifies what product or service will be created in order to generate revenues and the ways in which the product or service will be sold. Without a well defined revenue model, that is, a clear plan of how to generate revenues, new businesses will more likely struggle due to costs which they will not be able to sustain. By having a clear revenue model, a business can focus on a target audience, fund development plans for a product or service, establish marketing plans, begin a line of credit and raise capital.

E-commerce E-commerce short for "electronic commerce" is trading in products or services using computer networks, such as the Internet. Electronic commerce draws on technologies such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange EDI , inventory management systems, and automated data collection. Concerns[edit] While much has been written of the economic advantages of Internet-enabled commerce , there is also evidence that some aspects of the internet such as maps and location-aware services may serve to reinforce economic inequality and the digital divide. A far greater number of people have access to e-businesses through the internet than would have access to a traditional business. Customers, suppliers, employees, and numerous other people use any particular e-business system daily and expect their confidential information to stay secure. Hackers are one of the great threats to the security of e-businesses. Some common security concerns for e-Businesses include keeping business and customer information private and confidential, authenticity of data, and data integrity. Some of the methods of protecting e-business security and keeping information secure include physical security measures as well as data storage, data transmission, anti-virus software , firewalls , and encryption to list a few. However, this becomes even more difficult when dealing with e-businesses specifically. To keep such information secure means protecting any electronic records and files from unauthorized access, as well as ensuring safe transmission and data storage of such information. Tools such as encryption and firewalls manage this specific concern within e-business. Both parties in an e-business transaction want to have the assurance that the other party is who they claim to be, especially when a customer places an order and then submits a payment electronically. One common way to ensure this is to limit access to a network or trusted parties by using a virtual private network VPN technology. The establishment of authenticity is even greater when a combination of techniques are used, and such techniques involve checking "something you know" i. A business needs to be confident that data is not changed in transit, whether deliberately or by accident. To help with data integrity, firewalls protect stored data against unauthorized access, while simply backing up data allows recovery should the data or equipment be damaged. A business must have assurance that the receiving party or purchaser cannot deny that a transaction has occurred, and this means having sufficient evidence to prove the transaction. One way to address non-repudiation is using digital signatures. There are a variety of techniques to address this concern including firewalls, access privileges, user identification and authentication techniques such as passwords and digital certificates , Virtual Private Networks VPN , and much more. Messages must be delivered in a reliable and timely fashion, and information must be stored and retrieved as required. Because availability of service is important for all e-business websites, steps must be taken to prevent disruption of service by events such as power outages and damage to physical infrastructure. Examples to address this include data backup, fire-suppression systems, Uninterrupted Power Supply UPS systems, virus protection, as well as making sure that there is sufficient

capacity to handle the demands posed by heavy network traffic. With each website custom crafted and maintained in code, the maintenance burden is enormous. In the twenty-first century, look for new businesses that will help standardize the look and feel of the internet presence of a business to be more uniform in nature to help reduce the cost of maintenance. Security solutions[edit] When it comes to security solutions, sustainable electronic business requires support for data integrity, strong authentication , and privacy. Access and data integrity[edit] There are several different ways to prevent access to the data that is kept online. One way is to use anti-virus software. This is something that most people use to protect their networks regardless of the data they have. E-businesses should use this because they can then be sure that the information sent and received to their system is clean. A firewall is used to restrict access to private networks, as well as public networks that a company may use. The firewall also has the ability to log attempts into the network and provide warnings as it is happening. They are very beneficial to keep third-parties out of the network. Businesses that use Wi-Fi need to consider different forms of protection because these networks are easier for someone to access. They should look into protected access, virtual private networks, or internet protocol security. This system alerts when there are possible intrusions. Some companies set up traps or "hot spots" to attract people and are then able to know when someone is trying to hack into that area. These messages have to be decrypted in order to be understandable or usable for someone. There is a key that identifies the data to a certain person or company. With public key encryption, there are actually two keys used. One is public and one is private. The public one is used for encryption, and the private for decryption. The level of the actual encryption can be adjusted and should be based on the information. The key can be just a simple slide of letters or a completely random mix-up of letters. This is relatively easy to implement because there is software that a company can purchase. A company needs to be sure that their keys are registered with a certificate authority. This way the receiver knows that it is an authentic document. Companies can use these certificates in several different ways. They can be used as a replacement for user names and passwords. Each employee can be given these to access the documents that they need from wherever they are. These certificates also use encryption. They are a little more complicated than normal encryption however. They actually used important information within the code. They do this in order to assure authenticity of the documents as well as confidentiality and data integrity which always accompany encryption. There can be complications when using different browsers, which means they need to use multiple certificates. The process is being adjusted so that it is easier to use. If a document has a digital signature on it, no one else is able to edit the information without being detected. That way if it is edited, it may be adjusted for reliability after the fact. In order to use a digital signature, one must use a combination of cryptography and a message digest. A message digest is used to give the document a unique value.

Chapter 2 : PLANNING PROJECTS & AVOIDING DISPUTES

Mr. Ritti is the Director of Exponent's Construction Consulting practice. He advises construction clients on a range of topics including risk management, project governance, project controls, change management.

May 23, September 14, 3 months before completion Construction projects can suffer from preventable financial problems. Underbids happen when builders ask for too little money to complete the project. Cash flow problems exist when the present amount of funding cannot cover the current costs for labour and materials, and because they are a matter of having sufficient funds at a specific time, can arise even when the overall total is enough. Fraud is a problem in many fields, but is notoriously prevalent in the construction field. Mortgage bankers, accountants, and cost engineers are likely participants in creating an overall plan for the financial management of the building construction project. Accountants act to study the expected monetary flow over the life of the project and to monitor the payouts throughout the process. Cost engineers and estimators apply expertise to relate the work and materials involved to a proper valuation. Cost overruns with government projects have occurred when the contractor identified change orders or project changes that increased costs, which are not subject to competition from other firms as they have already been eliminated from consideration after the initial bid. As portions of a project are completed, they may be sold, supplanting one lender or owner for another, while the logistical requirements of having the right trades and materials available for each stage of the building construction project carries forward. In many English-speaking countries, but not the United States, projects typically use quantity surveyors. This section does not cite any sources. Please help improve this section by adding citations to reliable sources. Unsourced material may be challenged and removed. October Main article: Construction law Construction along Ontario Highway, widening the road from six to twelve travel lanes A construction project must fit into the legal framework governing the property. These include governmental regulations on the use of property, and obligations that are created in the process of construction. When applicable, the project must adhere to zoning and building code requirements. Constructing a project that fails to adhere to codes does not benefit the owner. Some legal requirements come from *malum in se* considerations, or the desire to prevent indisputably bad phenomena, e. Other legal requirements come from *malum prohibitum* considerations, or factors that are a matter of custom or expectation, such as isolating businesses from a business district or residences from a residential district. An attorney may seek changes or exemptions in the law that governs the land where the building will be built, either by arguing that a rule is inapplicable the bridge design will not cause a collapse, or that the custom is no longer needed acceptance of live-work spaces has grown in the community. A construction project is a complex net of contracts and other legal obligations, each of which all parties must carefully consider. A contract is the exchange of a set of obligations between two or more parties, but it is not so simple a matter as trying to get the other side to agree to as much as possible in exchange for as little as possible. The time element in construction means that a delay costs money, and in cases of bottlenecks, the delay can be extremely expensive. Thus, the contracts must be designed to ensure that each side is capable of performing the obligations set out. Contracts that set out clear expectations and clear paths to accomplishing those expectations are far more likely to result in the project flowing smoothly, whereas poorly drafted contracts lead to confusion and collapse. Legal advisors in the beginning of a construction project seek to identify ambiguities and other potential sources of trouble in the contract structure, and to present options for preventing problems. Throughout the process of the project, they work to avoid and resolve conflicts that arise. In each case, the lawyer facilitates an exchange of obligations that matches the reality of the project. Interaction of expertise[edit] Apartment complex under construction in Daegu, South Korea Design, finance, and legal aspects overlap and interrelate. The design must be not only structurally sound and appropriate for the use and location, but must also be financially possible to build, and legal to use. The financial structure must accommodate the need for building the design provided, and must pay amounts that are legally owed. The legal structure must integrate the design into the surrounding legal framework, and enforce the financial consequences of the construction process. Procurement[edit] Procurement describes the merging of activities

undertaken by the client to obtain a building. There are many different methods of construction procurement; however, the three most common types of procurement are traditional design-bid-build, design-build and management contracting. There is also a growing number of new forms of procurement that involve relationship contracting where the emphasis is on a co-operative relationship among the principal, the contractor, and other stakeholders within a construction project. New forms include partnering such as Public-Private Partnering PPPs aka private finance initiatives PFIs and alliances such as "pure" or "project" alliances and "impure" or "strategic" alliances. The focus on co-operation is to ameliorate the many problems that arise from the often highly competitive and adversarial practices within the construction industry.

Design-bid-build This is the most common method of construction procurement and is well established and recognized. In this arrangement, the architect or engineer acts as the project coordinator. His or her role is to design the works, prepare the specifications and produce construction drawings, administer the contract, tender the works, and manage the works from inception to completion. Any subcontractor has a direct contractual relationship with the main contractor. The procedure continues until the building is ready to occupy.

Chapter 3 : cybersecurity-building-control-systems

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Chapter 4 : Conference Series # Claims and Dispute Resolution, Vol.1, () | AACE

Josh Ritti is the Director of Exponent's Construction Consulting practice. He advises construction clients on a range of topics including risk management, project controls, change management, project scheduling, contract review and assessments, process improvement, change order negotiations, the development or defense of construction claims and expert witness services.

Chapter 5 : Construction - Wikipedia

Joshua Ritti (Exponent) - Moderator - Construction consulting principal Legal system of jurisdiction not favorable to IR Josh Ritti -Exponent.

Chapter 6 : Ameritech Business Systems E Valencia Dr Fullerton, CA Business Forms & Systems - MapQ

Joshua Ritti is the corporate vice president and practice director of Exponent's construction consulting practice. He advises construction clients on a range of topics including risk management, project governance, project controls, change management, project scheduling, contract review and assessments, process improvement, change order negotiations, dispute avoidance and the development or.

Chapter 7 : Joshua Ritti - Exponent Inc - The Latest Legal News, Research and Legal Profiles - Who's Who

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pre-publication information provided by the publisher.

Chapter 8 : (CDR) Pricing and Proving Delay Claims | AACE

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Chapter 9 : Table of contents for Library of Congress control number

Identification. E-business systems are a set of online technologies, equipment and tools that a business uses to conduct business via the Internet.