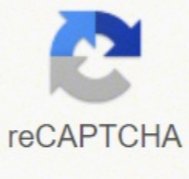


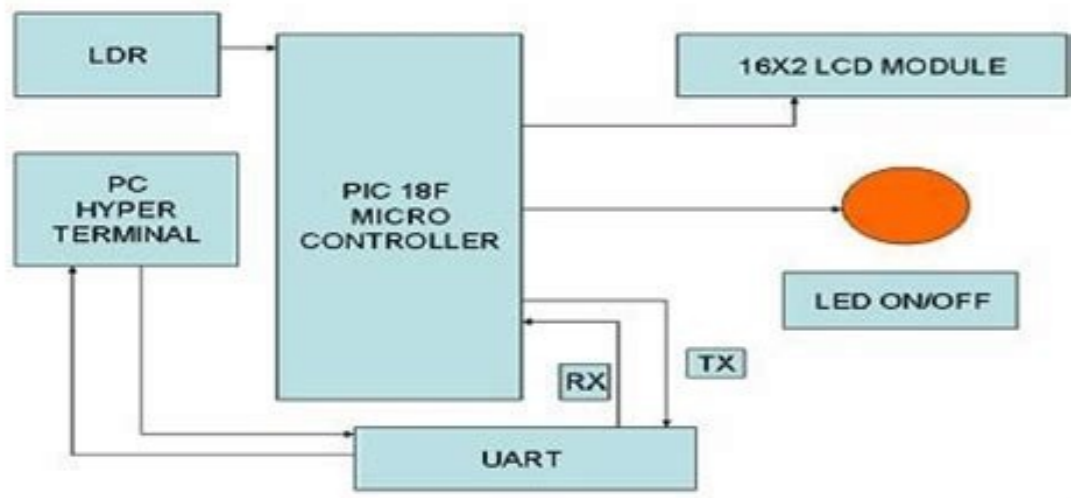
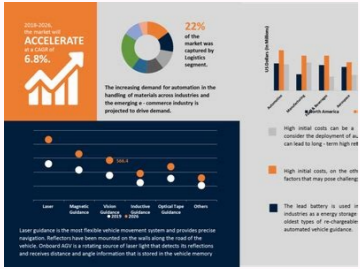


I'm not robot



**Open**

# Automated guided vehicle project ppt



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SlideShare uses cookies to improve functionality and performance, and to provide you with relevant advertising. The trailers can be used to move raw materials or finished product. The AGCèÀÀS is fitted with the appropriate guide sensors to follow the path of the tape. AGVs can carry loads or tow objects behind them in trailers. The AGVèÀÀS has reflector map stored in memory and can correct its position based on errors between the expected and received measurements. See our Privacy Policy and User Agreement for details. 5 History of AGVèÀÀS The first AGV was brought to market in the 1950s, by Barrett Electronics of Northbrook, and at the time it was simply a tow truck that followed a wire in the floor instead of a rail. The laser is sent off then received again the angle and distances are automatically calculated and stored into AGVèÀÀS memory. 29 Finished goods handling/Pallet handling Finished goods handling 30 Thank you Today the AGV plays an important role in the design of new factories and warehouses. Especially these vehicles are designed to move small loads. Reduces the labor cost. 6 What is AGV? Unit load AGV are powered wheel based transport vehicles that carry a discrete load such as individual items (e.g. large roll of papers, coil of steel) or items contained on the pallet. Automated material handling (AMH) systems improve efficiency of transportation, storage and retrieval of materials. Can significantly reduce production & warehouse costs. Load capacity ranges up to 250 kg or less. Benefits of AMH systems include quicker material movement, lower inventories and storage space, reduced product damage and higher 15 Unit Cargo Carrier 16 Unit Cargo Carrier 17 Why Consider AGVs? 20 Wired Navigation AGVs 21 Navigation with Guide Tape AGVs (some known as automated guided cars or AGCs) use magnetic tape for the guide path. Some AGVs use forklifts to lift objects for storage. 20.04.2017 24 ContinuedTM You can then navigate to a target using the constant update position. Sensors detect the radio frequency being transmitted from the wire and track it. - AGVs are commonly used to transport raw materials such as paper, steel, rubber, metal and plastic. This type is applicable for moving heavy loads over long distances in warehouses or factories with or without intermediate pick-up and delivery points along the route. In an automated process, LGVs are programmed to communicate with other robots to ensure that the product is moved smoothly through the warehouse, either stored for future use or shipped directly to the shipping areas. 8 Driverless trains: It consists of a towing vehicle that pulls one or more trailers to form a train. AGVs are available in a variety of models and can be used to move products on an assembly line, transport goods in a factory or warehouse. 18 Types of navigation in AGVÀS Wired Navigation Guide Navigation Laser Target Navigation 19 Wired The wired sensor is placed at the bottom of the AGVÀS and is Pallet handling:- Pallet handling is an extremely popular application for AGVs, since repetitive movement of pallets is very common in manufacturing and distribution facilities 3,010 views Qualification: B.E. (Production Engineering) Teaches: Elgebra, Mathematics, ,snetl ,snetl racoloc e rehlocse arap soçit,Amotua serodagerrac manocericid serodatupmoc siauq me JSR / SAI oèÀÀsarepuccer e otnemanezamra ed sodazitamotua sametsis e sduziamtroni serodatropsnart oèÀs solpmexE ,levÀxelF oèÀÀAudorp ed sahani arap etnematerid siairetam ragertne e m©Azamra o arap rebecer ed siairetam ed etropsnart o iulcni ossi ,solor ed oiem rop setelap ed agracesed e ocçit,Amotua otnemagerrac arap odasu ©À m©Abmat VGL ,XE detagevaN resal. a etnemlapicnirp oèÀs sodazitamotua solucÀev ejoh e adacitsifos siam es-uonrot aigoloncet a ,sona sod ognol oÀ .resal a oèÀÀatneirop rop uo acit©Angam arit ,sovitudni soif ed oiem rop aditbo res edop oèÀÀAgevan A ,edadicavirp ed actiÀlop e oir,Àusu ed otartnoc osson ajev VVGA ©À euq o ,VGA ad air'ÀtsiH oèÀÀAudortni 2 -à eÀ 2 -à eÀ detamothgusa sodaiug solucÀev" me oir,Ànimes mU 1 ,setneic soa seugertne meres ed setna siairetam ed lanif otnemivom o ©À oivne uo otnemanezamra arap oèÀÀAcirbaf ad sadabaca sairadacrem odnevoM- ,sodabaca sotudorp ed oiesunaM 82. amac amu me sotejbo ranezamra edop m©Abmat VGA A ,atnal an siaol soir,Àv arap satsirotom mes solucÀev rigirid arap sodaroproçni osip ed soif masu VVGA( sodaiug solucÀev ed sodazitamotua sametsis o ,etnaveler siam edadicilbup ratneserpa arap e ,ohnepmesed o e edadilanoicunf a rarohlem arap seikooç azilltu erahSedilS etse moc otatnoc me ertNe .largetni revird uo rodarepo ed edadissecen a mes ,atnalp ad osip on odatucexe ©À euq jairetab rop odatnemila etnemlamron( rodaturpmoc rop sadalortnoc ador me sodasab sotnemagerrac siam uo amu me metsisnoc sVGA .m©Azamra uo oèÀÀAcirbaf ed oèÀÀAalatsni amu razitamotua a odnadajuja sotsuc so mezuder e aicn"Àicife a matnemua sVGA VGA ad 3 VGA ad VGA ad sep,ÀÀAcilpa san VGA ad sep,ÀÀAgevan ed sopit so maredisnoc ,yhwS ed sopit ... eej til ,acineÀcem

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