

## 建設工事安全かるた

Motto KARUTA for Safety of Construction Works

あ

あんぜん まも つく  
安全は 守るとともに 作るもの



For safe working on a construction site, in addition to complying with the given rules, it is important to make new rules in accordance with the circumstances.

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いちど まも こうかい  
一度だけ 守らぬルールで あと後悔



|| If you once think "Ah, it is OK!" and disobey a  
|| prescribed rule (on a construction site), you may suffer  
|| an unexpected injury. Later you will regret what you  
|| did (thinking "I should have obeyed the rule").

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うっかりと ぽっかり空いた <sup>あ</sup>不安 <sup>ふ あんぜん</sup>安全



Sometimes on a site an unsafe action is performed by impulsive carelessness, and this can lead to an accident, depending on the circumstances. Never perform an unsafe action.

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<sup>え</sup> <sup>かくにん</sup> <sup>じっせん</sup> <sup>あんぜん</sup>  
絵で確認 **そして実践** **安全ヨシ**



**ヨシ!**



At the morning site safety meetings, etc., it is important to make sure of the basics of safe actions with the provided pictures, etc., and to properly comply with them. This leads to safe working.

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お

おかしいな <sup>き</sup>気づいたときに <sup>かくにん</sup>すぐ確認



エンジンを  
かけたまま  
降車



When you get the feeling "there is something not quite right!" during work, don't just ignore it. Immediately check it out and take action, or an unexpected accident might occur.

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か

かんでん なつば ちゅうい あせ うすぎ  
感電は 夏場に注意 汗・薄着



During summer on site it is easy to get an electric shock due to sweating. Light clothing is also a factor, so take particular care regarding sweating and light clothing.

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きけんよち 危険予知 よくあるだけで す 済ませるな



Activities to anticipate hazards that are carried out before work are important. However, that is something that can be taken lightly, thinking "that is what we always do!". You may meet with that hazard sometime, so do not take these activities lightly.

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くりかえ がたさいがい 繰返し型災害 しつこく 声掛け 自分事に



Accidents on site are not repeated by the same people. We think that accidents are repeated by other people, and they have nothing to do with us. Let us not think that accidents are someone else's concern, but work to prevent accidents from our own standpoint.

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け

KYで <sup>よ</sup>ち <sup>さいがい</sup>予知した災害 <sup>お</sup>起こらない



If risk anticipation activities (KY activities) are properly carried out before work on site, accidents anticipated at that time can be prevented. It is important that we all properly participate in KY activities.

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これくらい <sup>おも</sup> 思う <sup>ゆ だん</sup> 油断で <sup>し</sup> 知るヒヤリ



If you do something careless, thinking "ah, it's OK to do this!", you may have an unexpected near-miss accident. Consider yourself "lucky you did not get injured".

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さぎょう かんきょう しょくば かくにん ひび あんぜん  
作業環境 職場で確認 日々安全



The work environment on site changes from day to day.  
Pay sufficient attention to temperature, humidity,  
weather, your physical condition, etc., even for the  
same work, for continuous safety every day.

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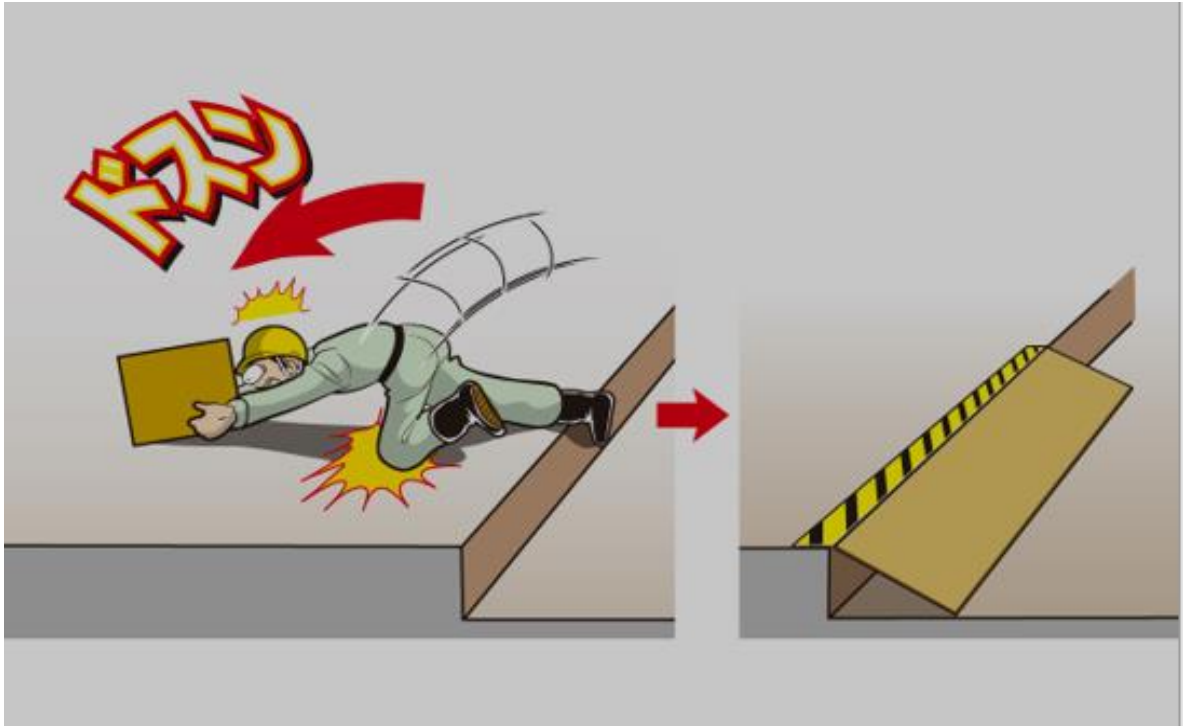
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しっぱい つぎ い さいはつぼうし  
失敗を 次に活かして 再発防止



At work, failures happen for some reason. When a failure happens, what is important is to use the experience to prevent a repeat (recurrence). This results in prevention of similar failures by yourself or your workmates.

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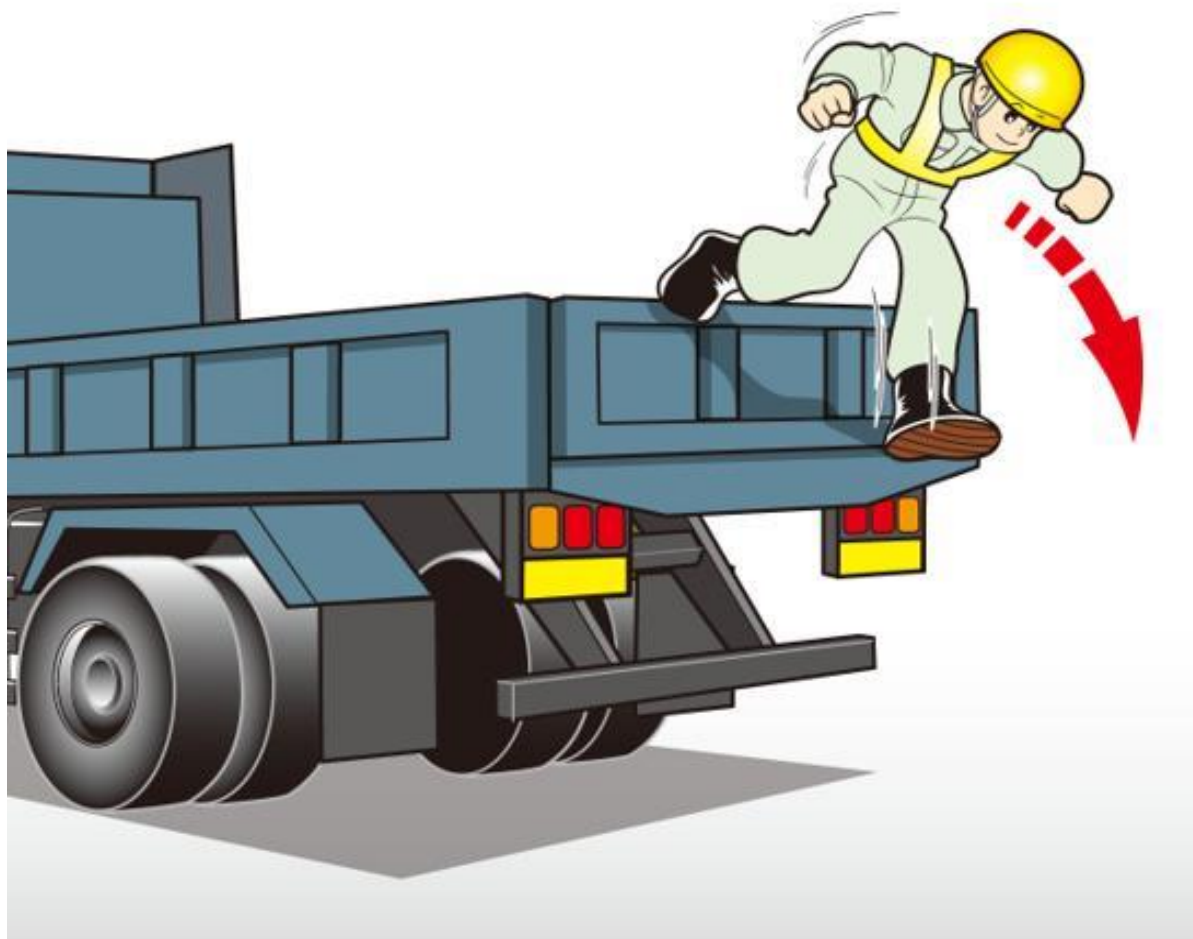


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<sup>すこ</sup> 少しでも <sup>おうちやく</sup> その横着が ケガのもと



In site work, audacious actions with the attitude "just a little is OK" are scary. Such carelessness causes injuries.

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せ

せんかいはんい うご じゅうき ちか  
旋回範囲 動く重機に 近づくな



Heavy machines used on construction sites are powerful. They are more powerful than even a sumo wrestler. They also have "dead angles" in which the operator cannot see. Carelessly approaching these machines is strictly prohibited.

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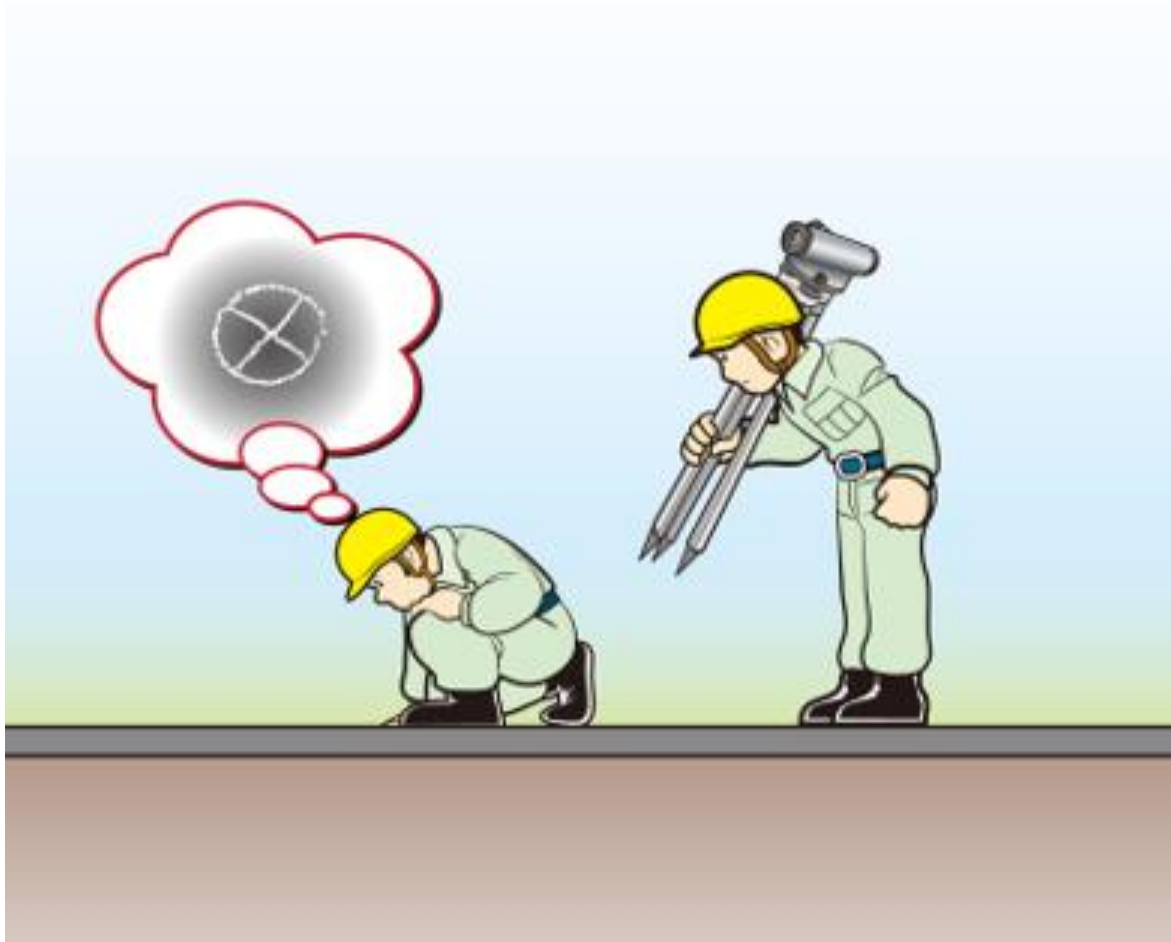
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そんなこと わかると言わず <sup>い</sup>再確認 <sup>さいかくにん</sup>



Sometimes we treat work that seems simple lightly, thinking "I know without and don't need to ask". However, we should return to the basics and nurture the habit of checking, and not be over-reliant on familiarity and experience.

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た

たいせつ ふくすう いみ  
大切な 複数チェックに 意味がある



The habit of checking that work is being safely carried out is important. This includes "double checking", checks by several people using the same method, and "cross checking", checking from a different viewpoint. Let us use these skillfully.

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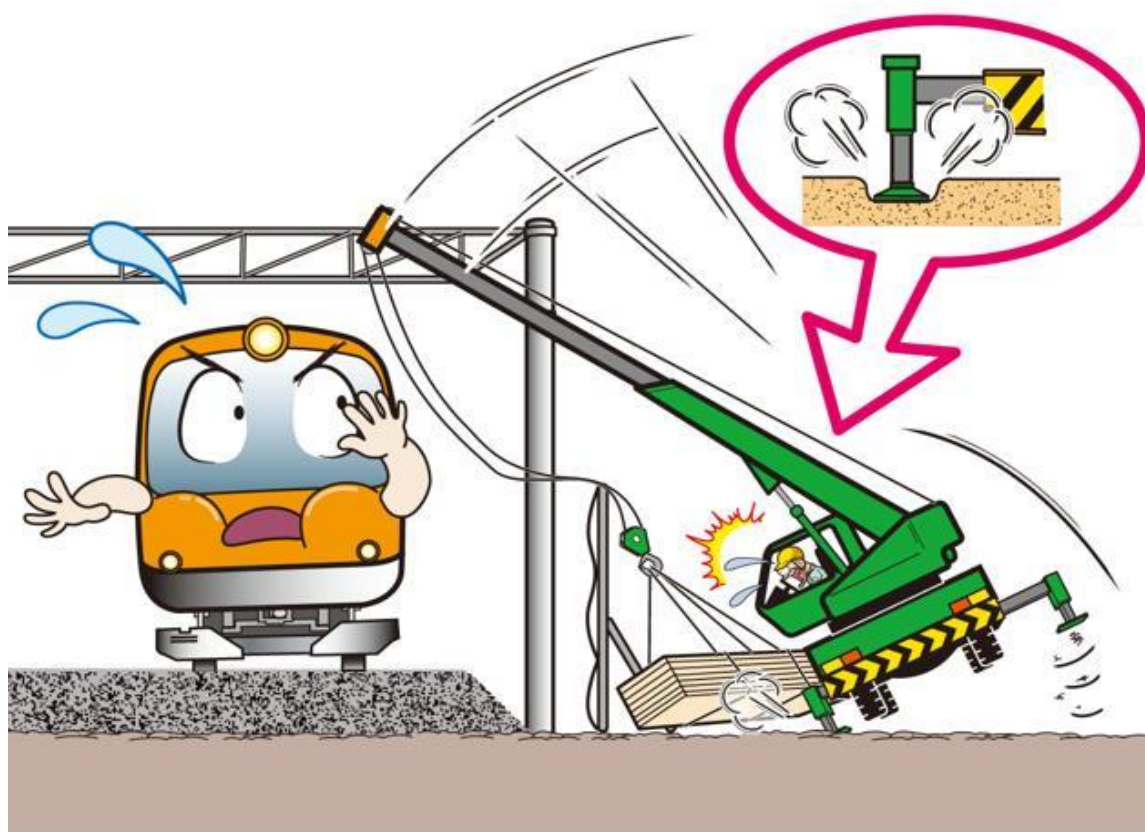


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<sup>ちんか</sup>沈下する <sup>じばん</sup>地盤とともに <sup>てんとう</sup>クレーン転倒



One of the important points to check for the work of mobile cranes used in construction work is checking the stability of the ground. If the ground is poor (weak) the outriggers will settle, and there is a risk that the crane will topple.

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つた 伝えよう きょう 今日 さぎょう の 作業の あんぜん 安全ポイント

今日の安全ポイントは〇〇だ

了解!



In the meetings before start of work, it is important to convey to the members performing the work in a simple and concise way the one point "this is what is particularly important today".

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て だ 手を出すな かい てん き かい 回 転 機 械 が と 止まるまで



● 巻き込み防止カバーをつける



Rotating machines have considerable energy. Do not stick your hand into them until they have come to a complete stop. There are many accidents in which hands get caught in rotating machinery.

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# トンネル工事 肌落ち 重機に 要注意



In tunnelling work, it is extremely important to take care regarding loose rockfall and the movements of heavy excavation machinery. Measures to prohibit unauthorized access must be properly enforced every day.

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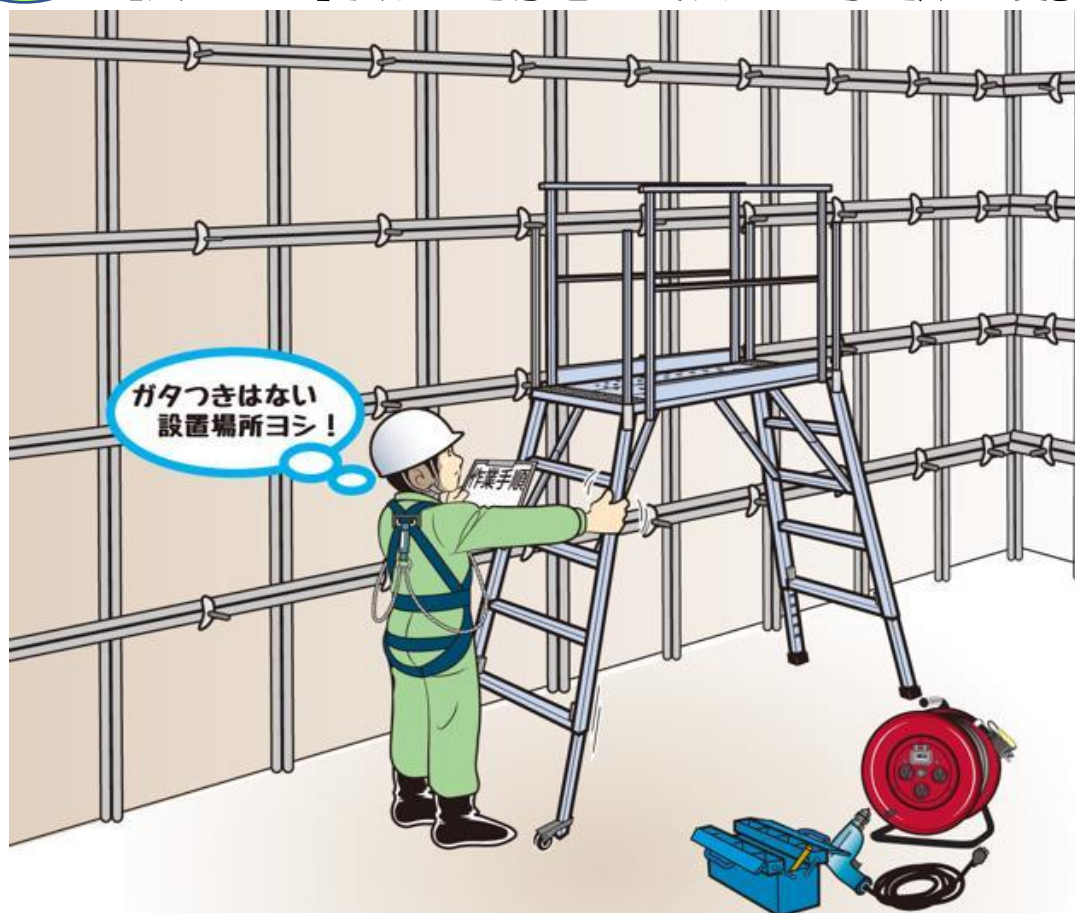


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な な 慣れた作業 さぎょう 初心に戻り しょしん もど 手順確認 てじゆん かくにん



When a person becomes familiar with some work, they unintentionally omit work procedures. However, that can cause injuries. Do not forget the basics, even with work that you are familiar with, and check the procedures.

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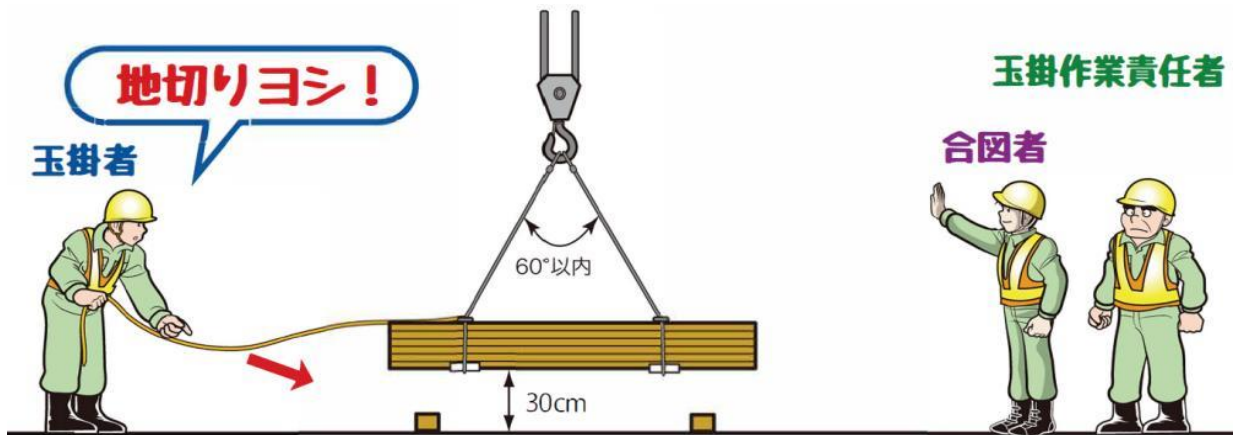
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にすぎた 荷姿を もいちと点検 地切りヨシ!



In operations to lift a load, check that the suspension wires are at the center of gravity of the load, and that they are vertical. In addition, it is important to pause after lifting about 30 cm, and check once more that the load is stable.

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ぬれた手で さわる電線 かいへいき  
濡れた手で 触るな電線 開閉器



It is very dangerous to touch electric wires or switches with wet hands. Also, in summer we sweat more and wear light clothing, so the risk of electrical shocks is increased. Electricity cannot be seen, but do not take it lightly.

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ねっちゅうしょう あつ し すう かく  
熱中症 暑さ指数で 確認を



●WBGT値の低減や  
休憩場所の確保



●作業の休止時間  
休憩時間の確保



It is easy to get heatstroke doing site work in summer.  
Prevent heatstroke by using the Wet Bulb Globe Temperature (WBGT) as an index. Take rest appropriately.

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のうりよく つね かくにん じゅうき そうさ  
能力を 常に確認 重機操作



In lifting operations using a crane, check in advance the lifting capacity of the crane using a performance table. It is important to always carry out the work based on a safe work plan.

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はな 離れても こえひと声かけて ぶじかくにん無事確認



On construction sites, "calling out" is an important communication tool. Even when you are separated somewhat, positively call out or reply.

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ひ い み お おお ふゆさぎょう  
日の入りに 見落とし多し 冬作業



Dusk comes early in winter. The darker it gets the more difficult it is to see objects. Try to tidy up early or turn on lights, without thinking things are still OK.

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フルハーネス <sup>めんどろ</sup>面倒からずに <sup>そうちやく</sup>装着を



It is now obligatory to wear full harness-type fall prevention equipment. It takes a bit of time and effort to put on, but its functionality is greatly improved. Always attach your gear so that you do not fall.

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ヘルメット あごヒモ<sup>し</sup>締めて 気<sup>き</sup>も締<sup>し</sup>める



It is important to get into the habit of securely fastening your helmet (hardhat) when you put it on. Doing so also gets you focused.

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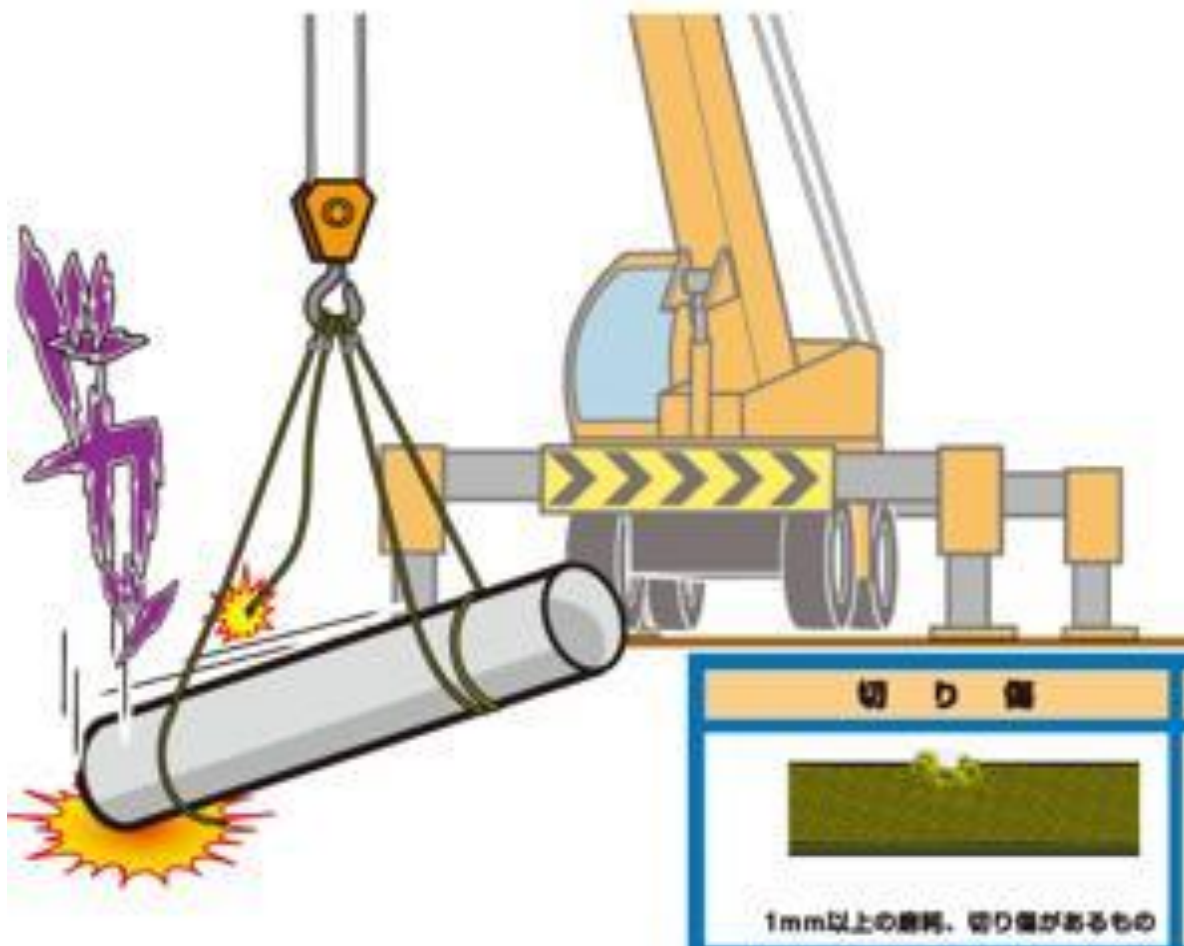
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ほ

ほつれてる ベルトスリング それダメよ



Belt slings used in suspension operations are useful implements, but the strands tend to become frayed. Comply with the inspection standards, and do not use frayed belt slings.

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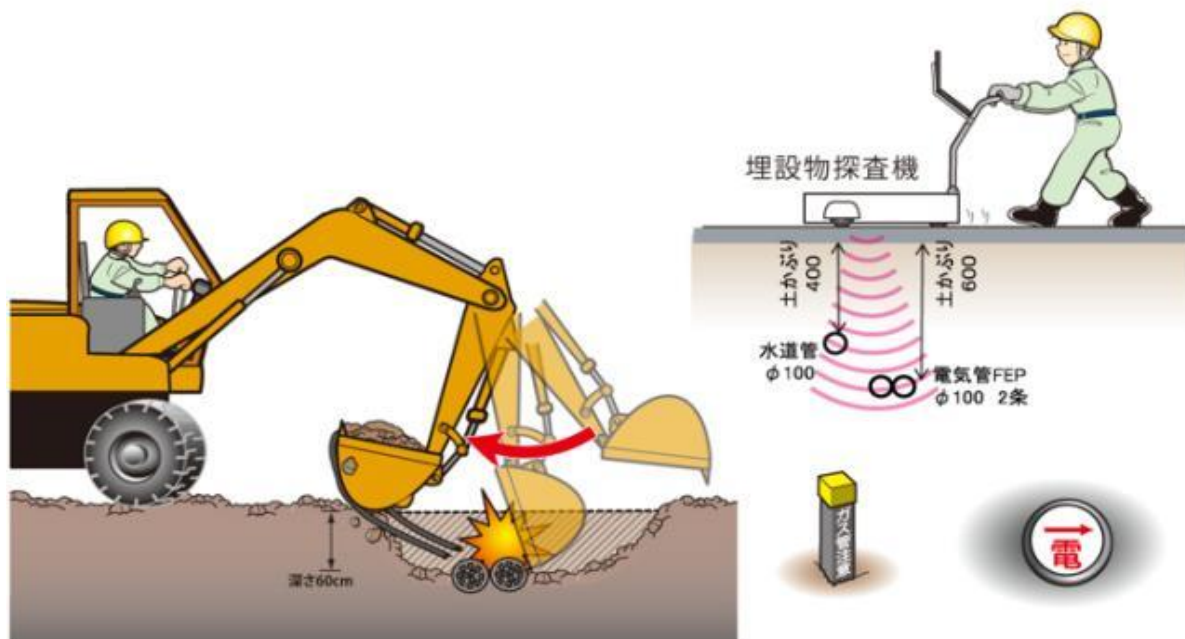
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まいせつぶつ 埋設物 み 見える化しよう か 電気・通信・ガス・水道 でんき つうしん すいどう



It is not always easy to accurately determine the position and depth of buried objects such as electrical cables, communication cables, gas pipes, water pipes, etc., that are buried under roads, etc. It is important to take care to carry out searches or trial excavations in advance, clearly display the status of the buried objects, and properly notify those involved in the construction.

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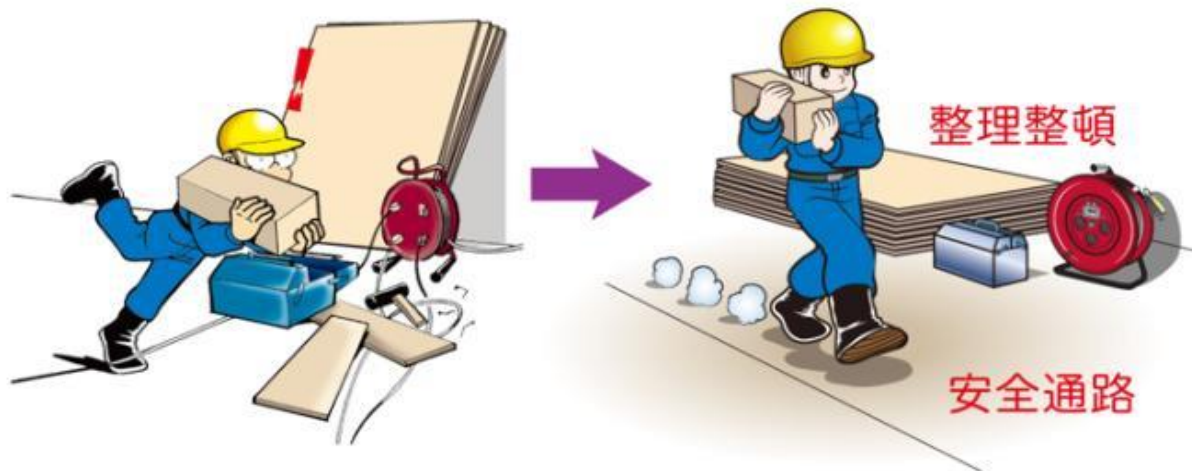
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みす 見過ごすな 不安<sup>ふあん</sup>全<sup>ぜん</sup>設備<sup>せつび</sup> すぐ<sup>かいぜん</sup>改善



Sometimes on sites you can see unsafe equipment, even in areas that you are not responsible for. If you do not overlook it and make an immediate improvement, you will eliminate the buds of danger.

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む

むりい こうていかくほ けいかく  
無理言うな 工程確保は 計画から



- || Sometimes a power relationship can occur between the site foreperson (supervisor) and the workers.
- || Unreasonable instructions can affect the schedule, safety, and quality, so the work should be carried out in accordance with a proper plan.

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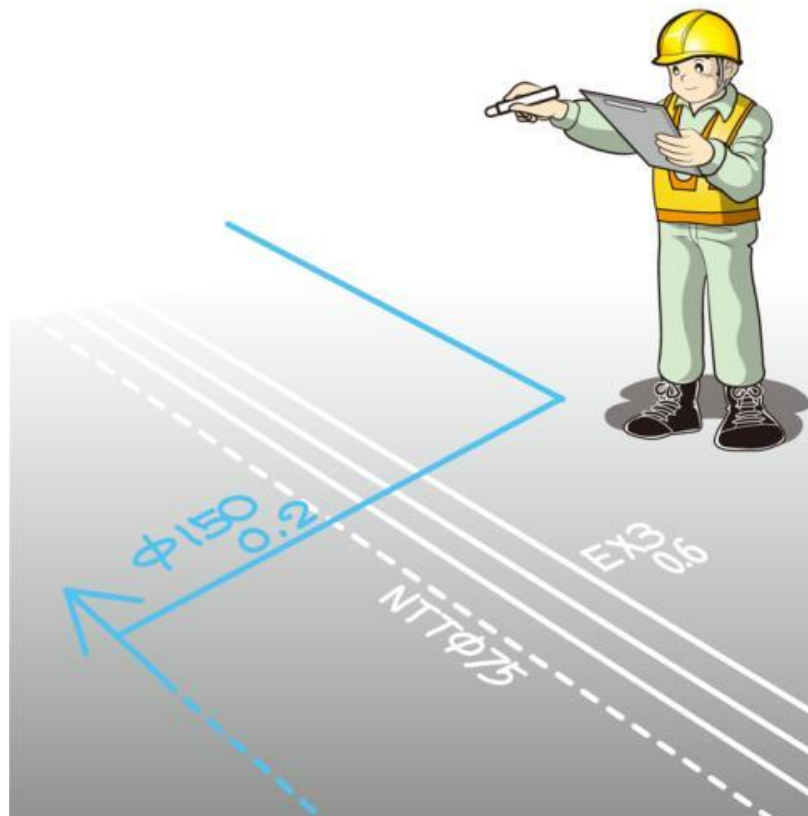
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めじるし  
目印を <sup>か</sup>ハッキリ書いて <sup>ごかい</sup>誤解なし



Surveying and marking is carried out on site as the starting point for structures. This is extremely important for placing materials and equipment, unauthorized access zones, indicating buried objects, etc. It is important that these are clearly indicated and that measures are taken so that they are not misunderstood.

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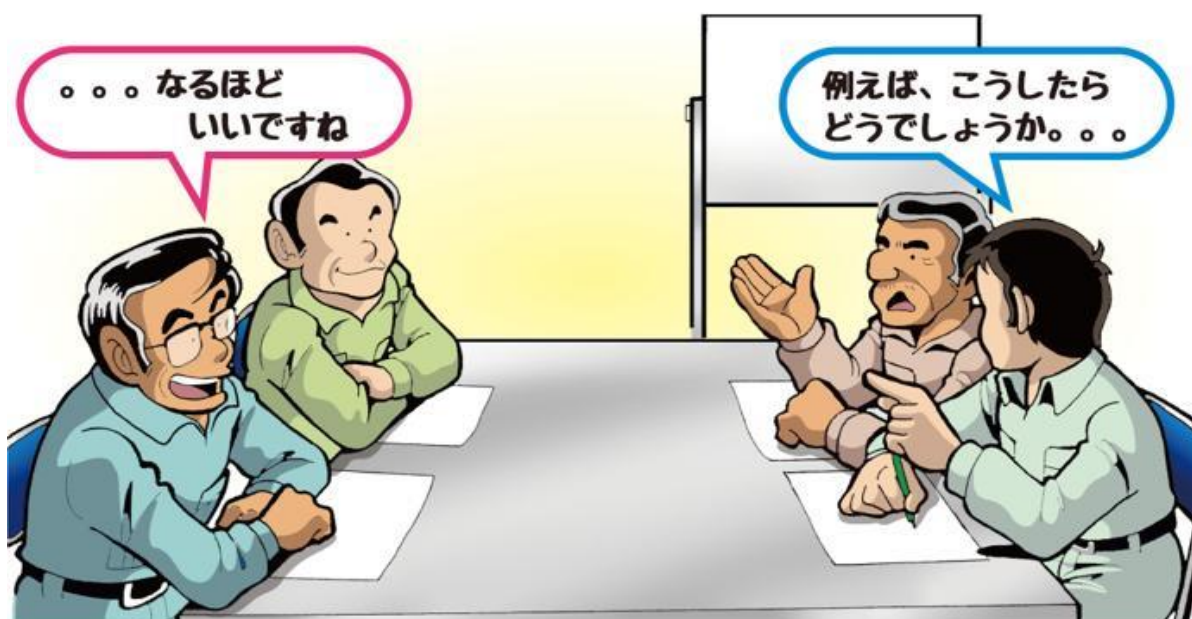
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もう一度 <sup>いちど</sup> <sup>おし</sup> <sup>おそ</sup> 教え教わる かんどころ



In the work procedures on site, there are always essential points (points that need special attention). Before undertaking this work, it is important to discuss and confirm these again with those involved.

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やくだ  
役立つ ためのマニュアル ポイントチェック

安全衛生の重要性

リスクアセスメントの実施

「危険性・有害性」とは

ヒヤリ・ハット運動

危険予知活動

職長安全衛生責任者の心得

施工要領、作業手順、安全管理計画

安全施工サイクル

災害等防止の基本的対策

作業に必要な資格



There are many different manuals used on site. It is not sufficient that these manuals are just produced. It is important that the points that are actually used should be checked and amended if necessary, so that they are useful.

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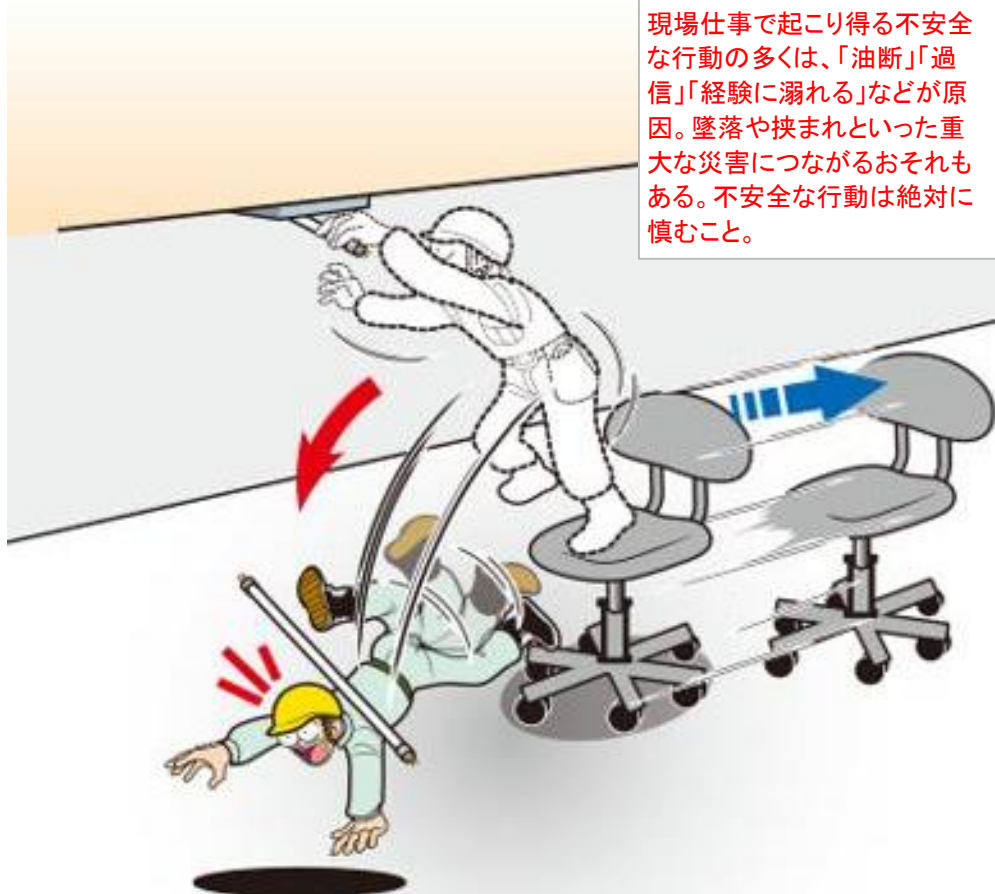
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ゆ だん 油断した ちよっとだけだが おおごと 大事に

現場仕事で起こり得る不安全な行動の多くは、「油断」「過信」「経験に溺れる」などが原因。墜落や挟まれといった重大な災害につながるおそれもある。不安全な行動は絶対に慎むこと。



There are many unsafe actions that can occur on a construction site, caused by lack of attention, overconfidence, over-estimation of experience, etc. These can lead to major accidents such as a fall or trapping a limb. Keep away from unsafe actions.

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よそごとと <sup>おも</sup>思わ<sup>まな</sup>ず学<sup>ひび</sup>んで <sup>あんぜん</sup>日々安全



You can learn of accidents and disasters on construction sites from various internal and external sources of information. Do not think that it has nothing to do with you, but use it in day to day safety as a valuable textbook that money cannot buy.

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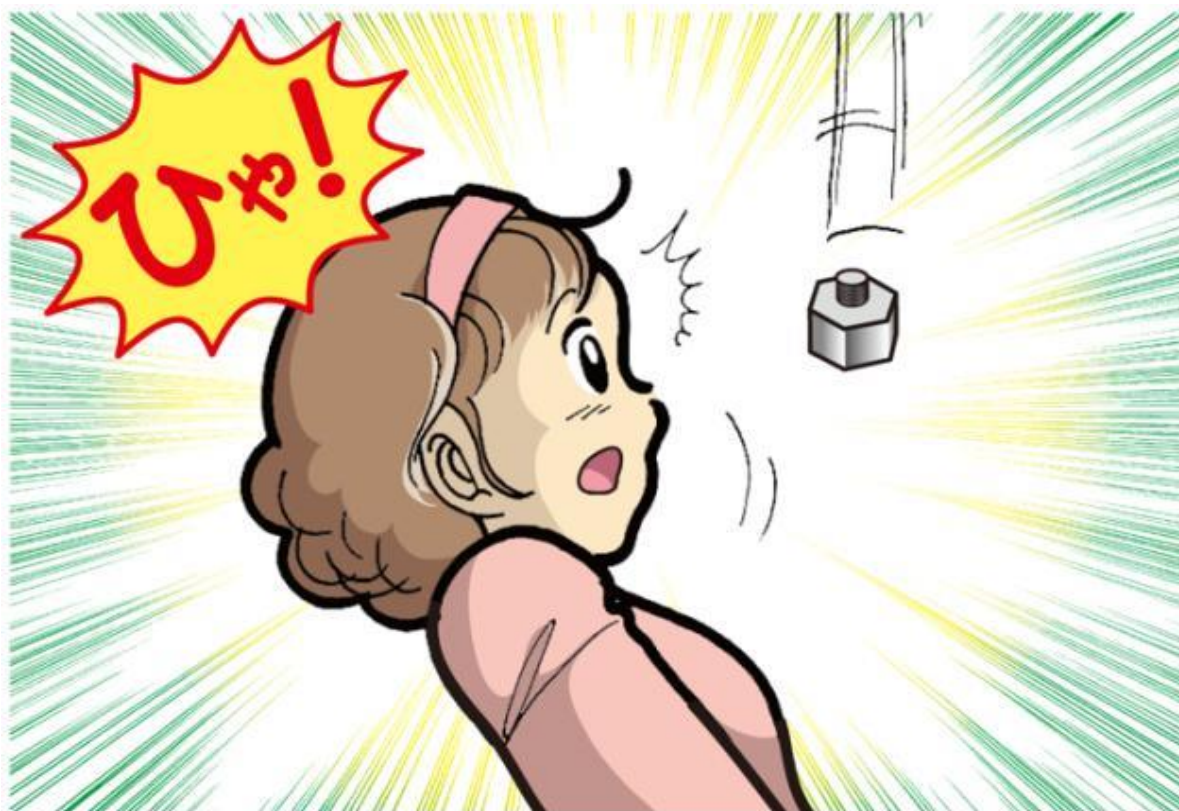
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らっ かぶつ ちい 小さなものへも よち ようじょう  
落下物 小さなものへも 予知養生



Objects that fall from construction sites are very dangerous, even small objects such as nuts. There is also a serious risk of an accident to third parties. It is important to properly anticipate what could be dropped, and take protective measures.

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リスクアセスメント <sup>さぎよう</sup>作業の<sup>まえ</sup>前に <sup>じっし</sup>まず実施

例 「可搬式作業台で作業していて転落する」

危険性・有害性		(危険度)
(不安状態)		
・ストッパーがこわれている		×
・作業台が水平ではない		△
・作業台がガタついている		×
(不安全行動)		
・ムリな姿勢で作業する		×
・作業に熱中しすぎている		△



例 ○リスクレベルの高いものから優先してリスクを除去・低減する対策を検討し、実施する

① 極めて大きい	危険度	5	最優先
② かなり大きい	危険度	4	優先
③ 中程度	危険度	3	普通
④ かなり小さい	危険度	2	状況を見て
⑤ 極めて小さい	危険度	1	必要に応じて

A very important habit for progressing work safely is to assess the severity and potential for events by risk assessment, and apply countermeasures with priority. It should be studied by all those involved before the work.

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ルールとは <sup>じぶん</sup>自分と <sup>なかま</sup>仲間を <sup>まも</sup>守るもの



Each of the various rules on site has a background to how and why it was decided. Each of these rules are for the safety of you and your work colleagues. Everyone should abide by the site rules.

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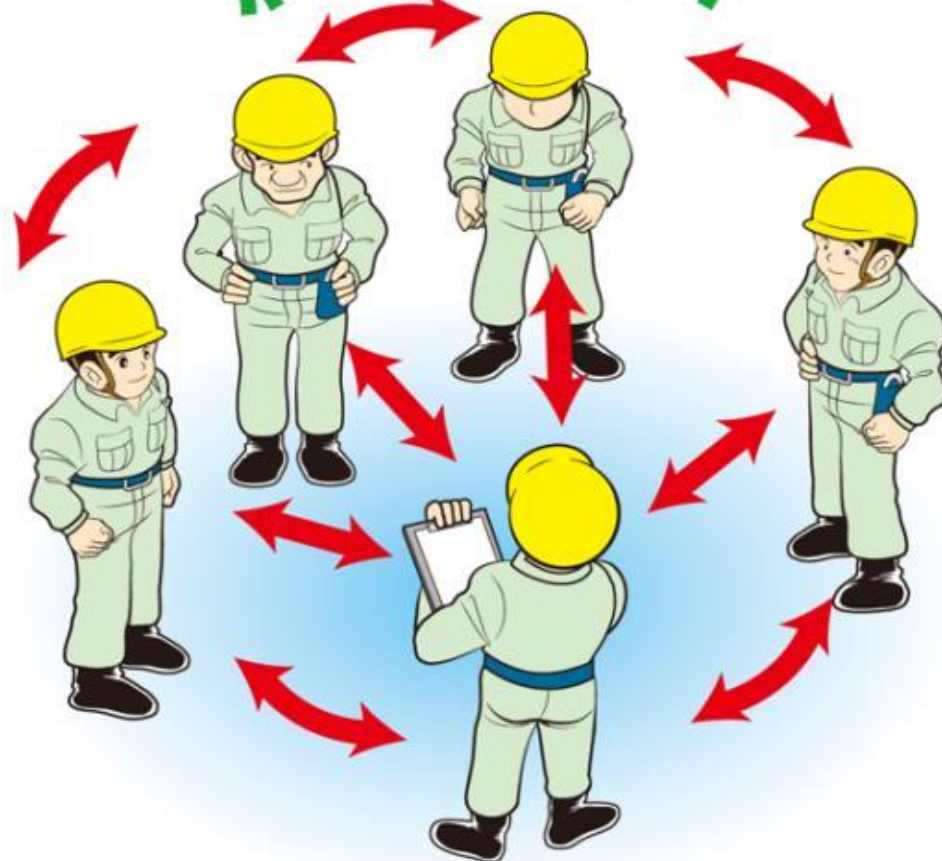
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れんらく れんらく を わす 忘れず じっせん 実践 じょうほうきょうゆう 情報共有

ホウレンソウ!



Mutual communication and information sharing is extremely important for smooth progress with work. Don't forget to put this into practice.

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ろうさい お こうかい ふ あんぜん  
労災を 起こせば後悔 不安全



A person that causes an accident at work will regret it later. However, it is too late to change anything even if you regret it. It is very important to maintain an appropriate degree of tension or attention with an attitude of trying to prevent accidents.

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## 建設工事安全かるた

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ワイヤーロープ キンクで<sup>いっぱつ</sup>一発<sup>しようきんし</sup>使用禁止



キンクが発生している。

**使用禁止**



If a kink occurs in a wire rope used for lifting work, its strength is reduced even if the kink has been removed. Kinked wire ropes must never be used.

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